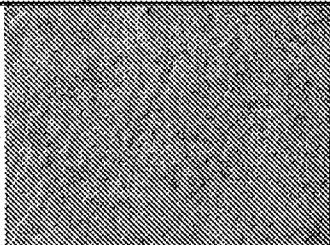
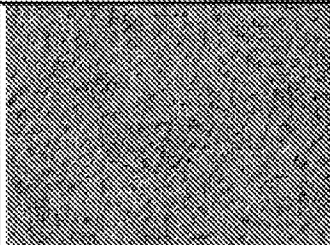
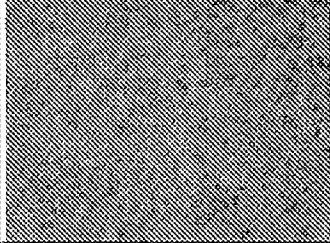
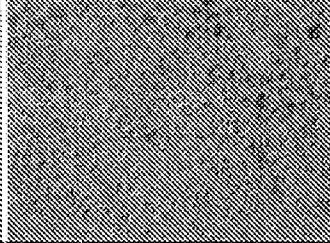


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**Figure 1**

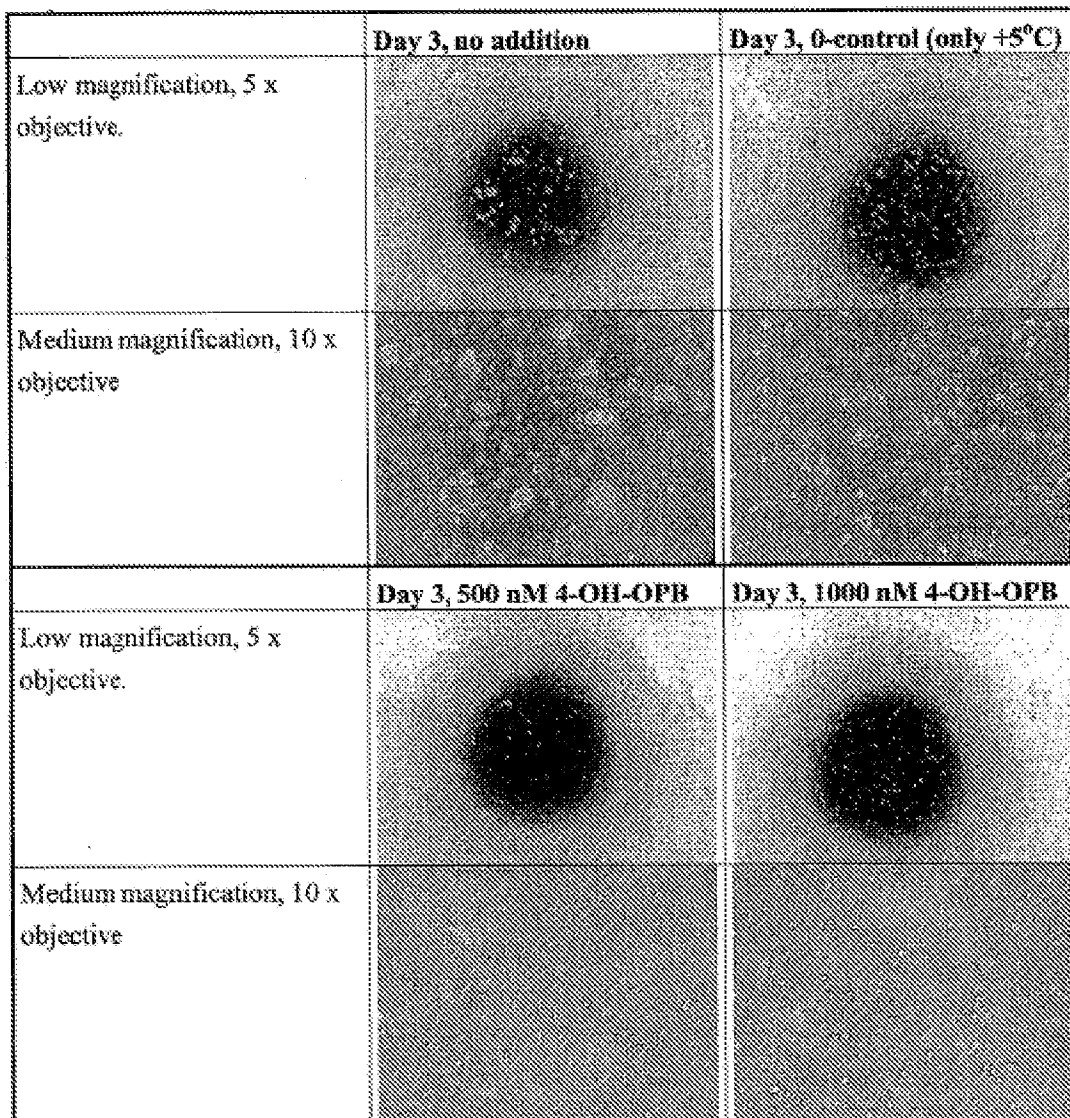
Experiment 1

	1.2% agar	0.8% agar
BHK21/c13		
S100T1		

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**Figure 2**

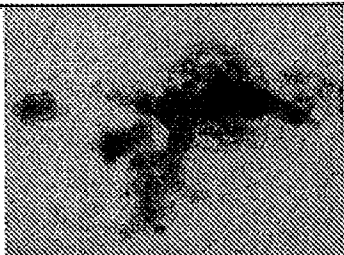

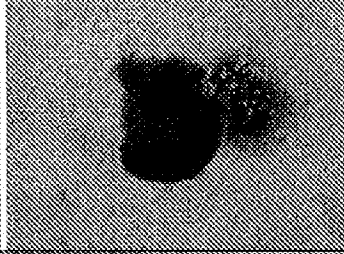
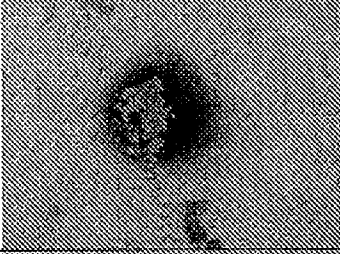

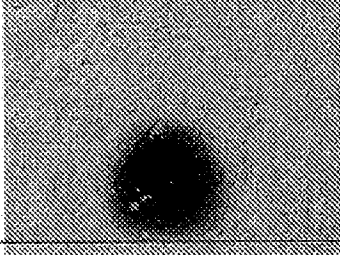
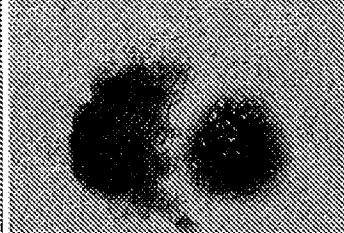

Experiment 2



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**Figure 3**

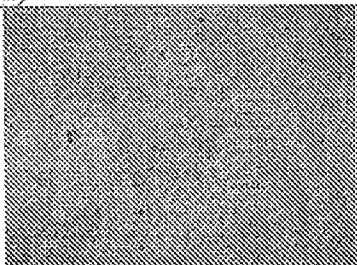
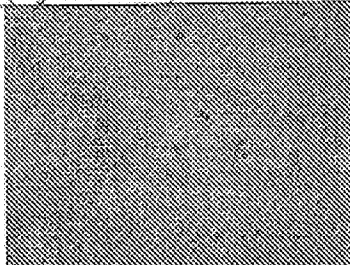
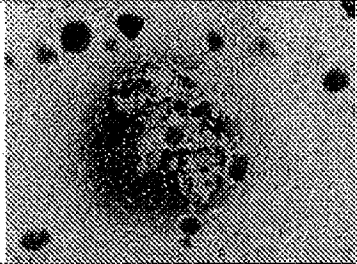
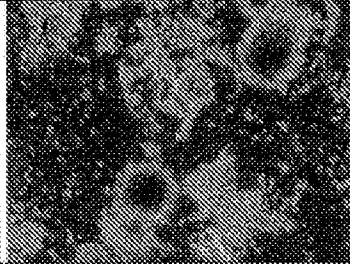
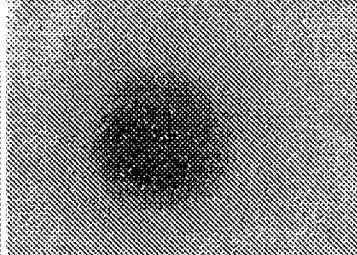
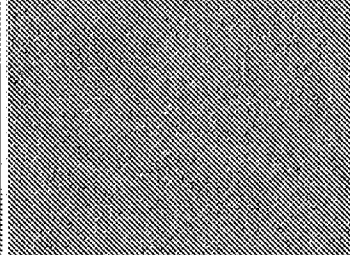
Experiment 3

	As described in left column	Control without insulin ↓
Insulin 0.1 iu/ml and conditioned medium		
Ins. 0.1 iu/ml, Mito+ and conditioned medium		
Ins. 0.1 iu/ml		
Ins. 0.1 iu/ml and Mito+		

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## Figure 4

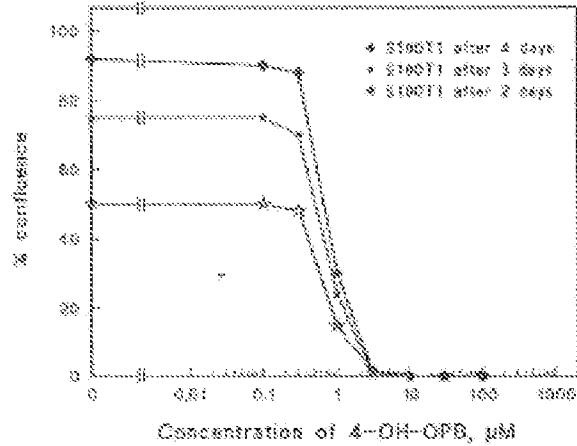
### Experiment 4

	Low magnification (objective 4 x)	Medium magnification (objective 10 x)
These are the cells after seeding in soft agar before starting to grow (placed in the refrigerator before photographing). Phase contrast was not used here, only below		
Day 7, no addition		
Day 7, 3 μM 4-OH-OPB added when seeded		



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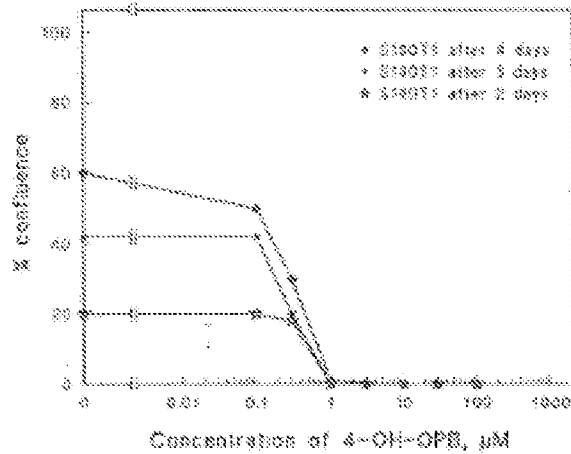
Confluence after 2-4 days with 10000 polyoma transformed BRK cells and 4-OH-OPB



**Figure 5a**

Experiment 5

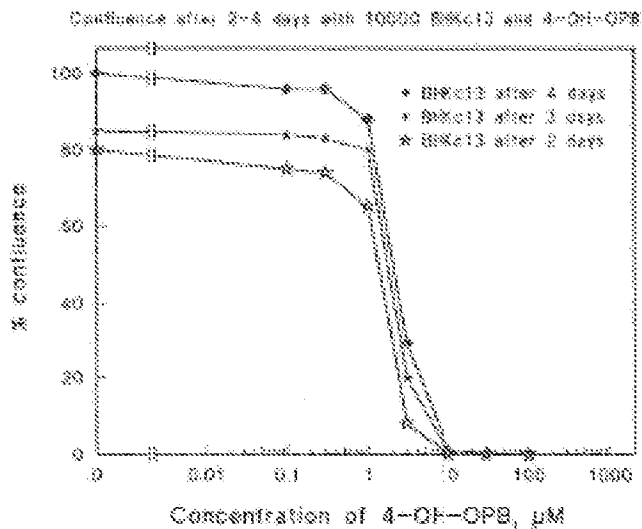
Confluence after 2-4 days with 3000 polyoma transformed BRK cells and 4-OH-OPB



**Figure 5b**

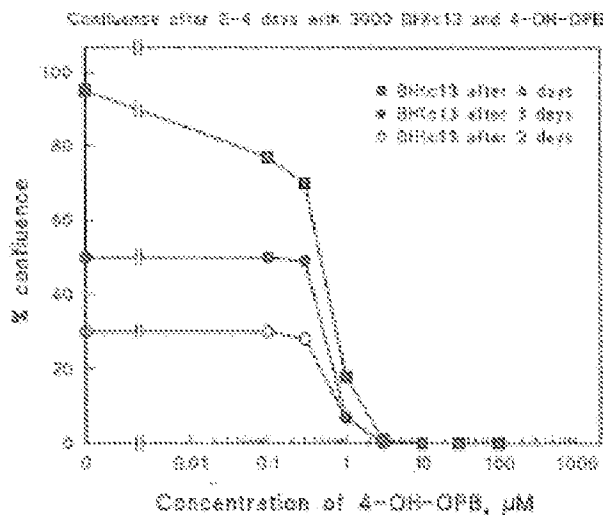
Experiment 5

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**Figure 5c**

Experiment 5



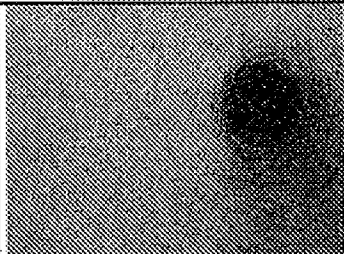
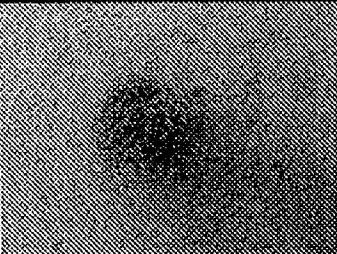
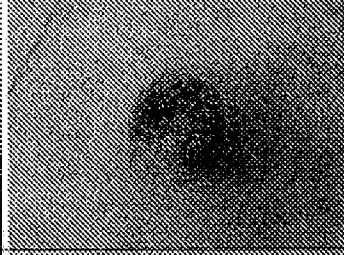
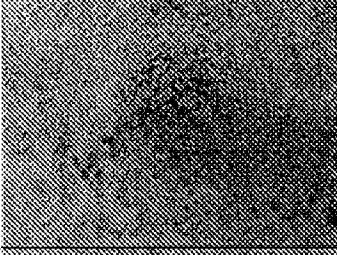
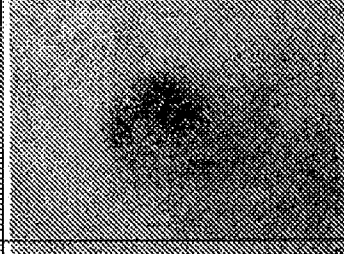
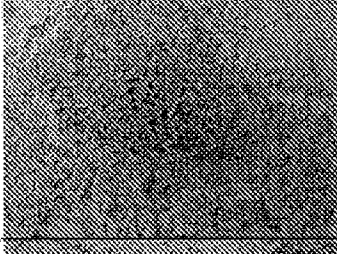
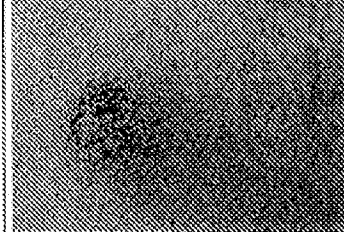
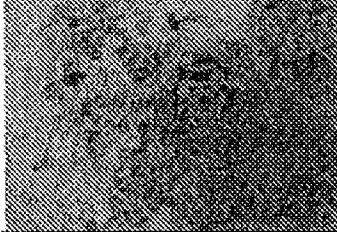
**Figure 5d**

Experiment 5

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**Figure 6a**


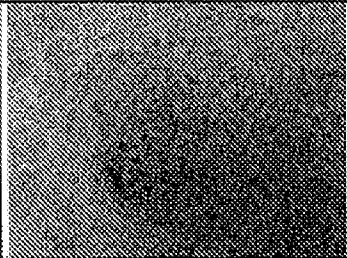
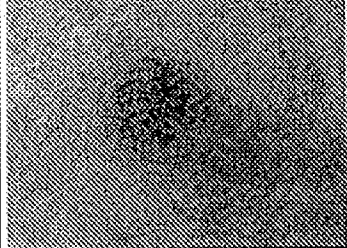
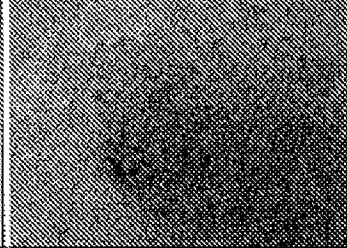
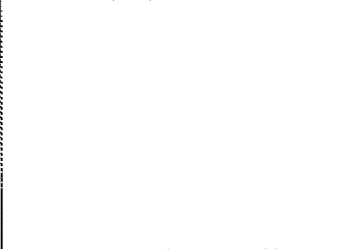
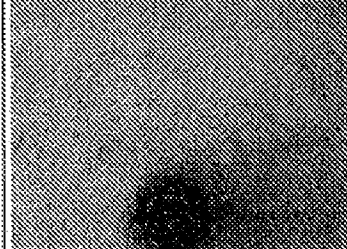
Experiment 6

4-OH-OPB, $\mu$ M:	Treated as indicated in 1 <sup>st</sup> column	Untreated
30		
10		
3		
1		

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**Figure 6a (continued)**

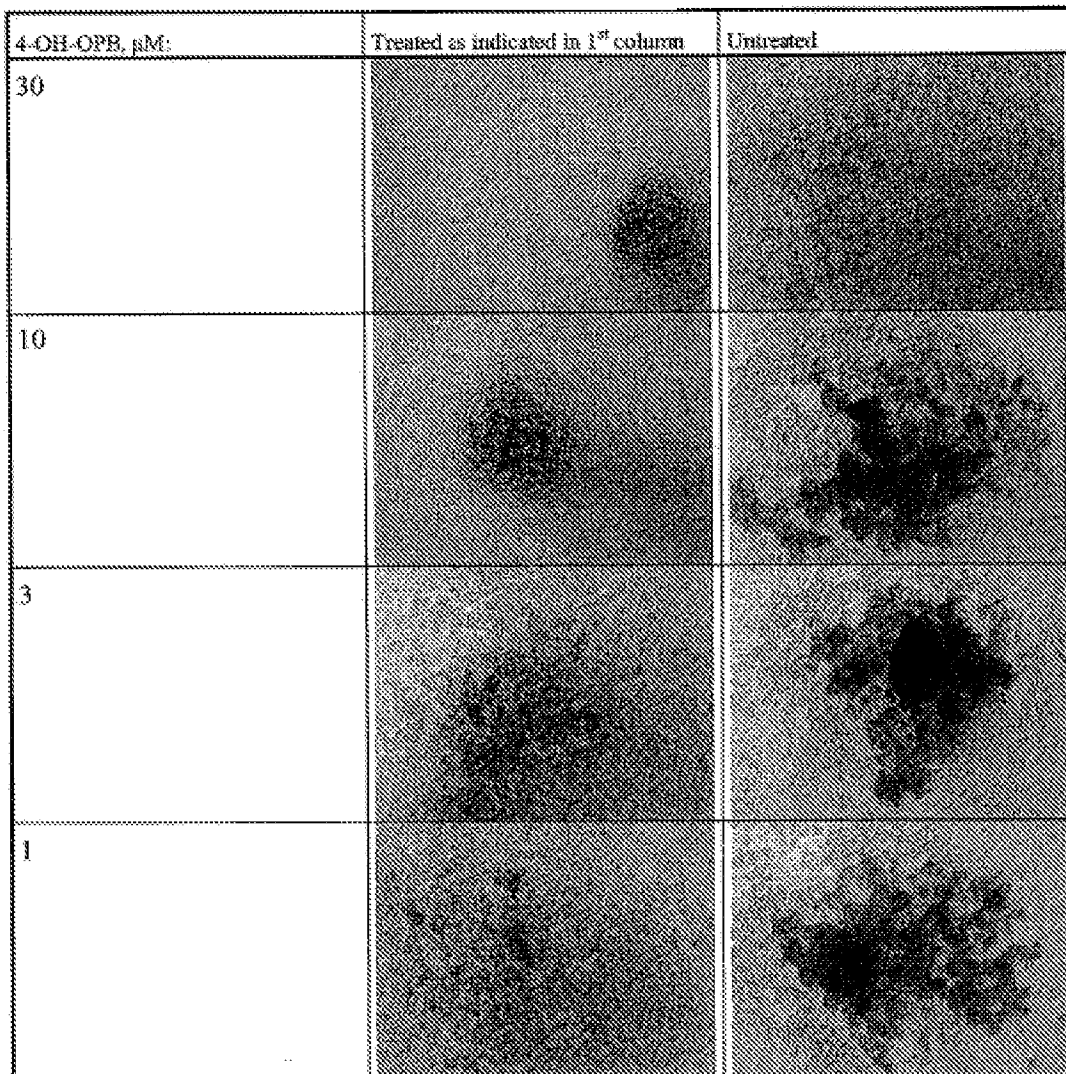
Experiment 6

4-OH-OPB, $\mu$ M:	Treated as indicated in 1 <sup>st</sup> column	Untreated
0.3		
0		
Control just after seeding		

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**Figure 6b**

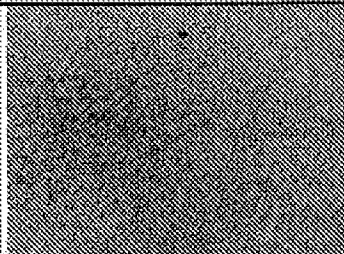

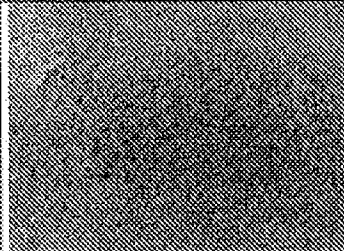
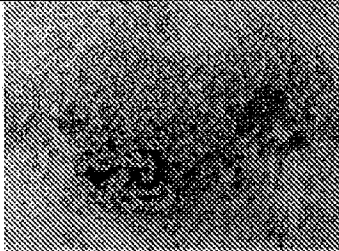
Experiment 6, Photographs after one day:



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**Figure 6c**

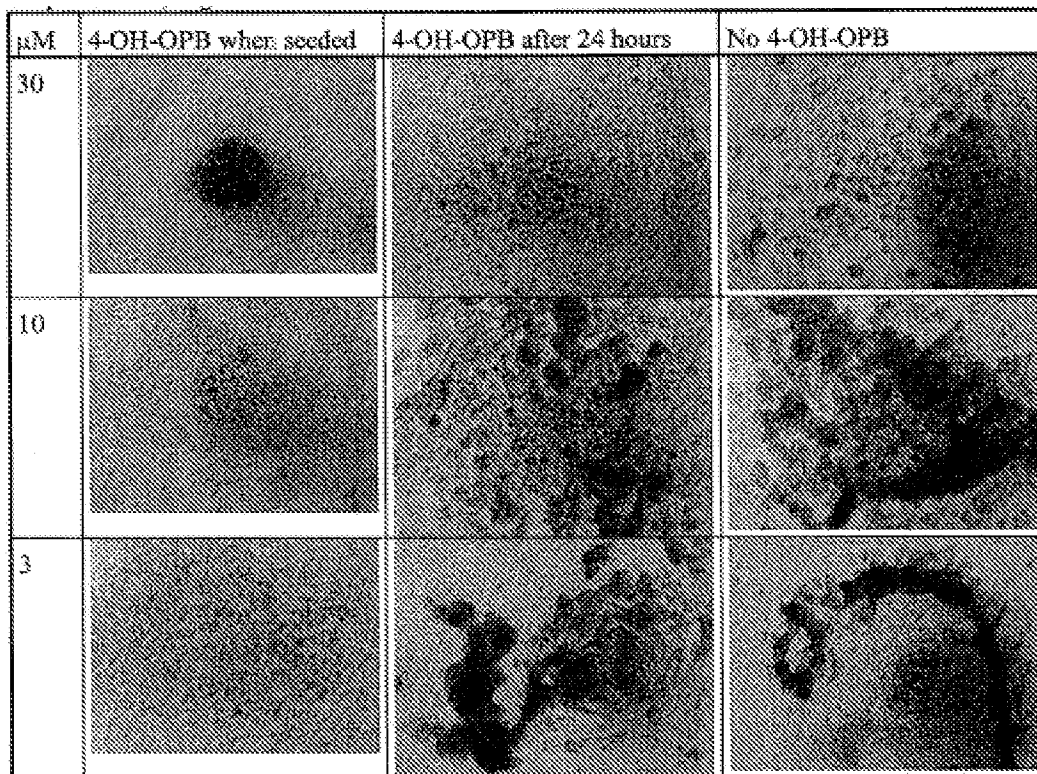
Experiment 6

4-OH-OPB, $\mu$ M:	Treated as indicated in 1 <sup>st</sup> column	Untreated
0.3		
0		

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**Figure 6c (continued)**

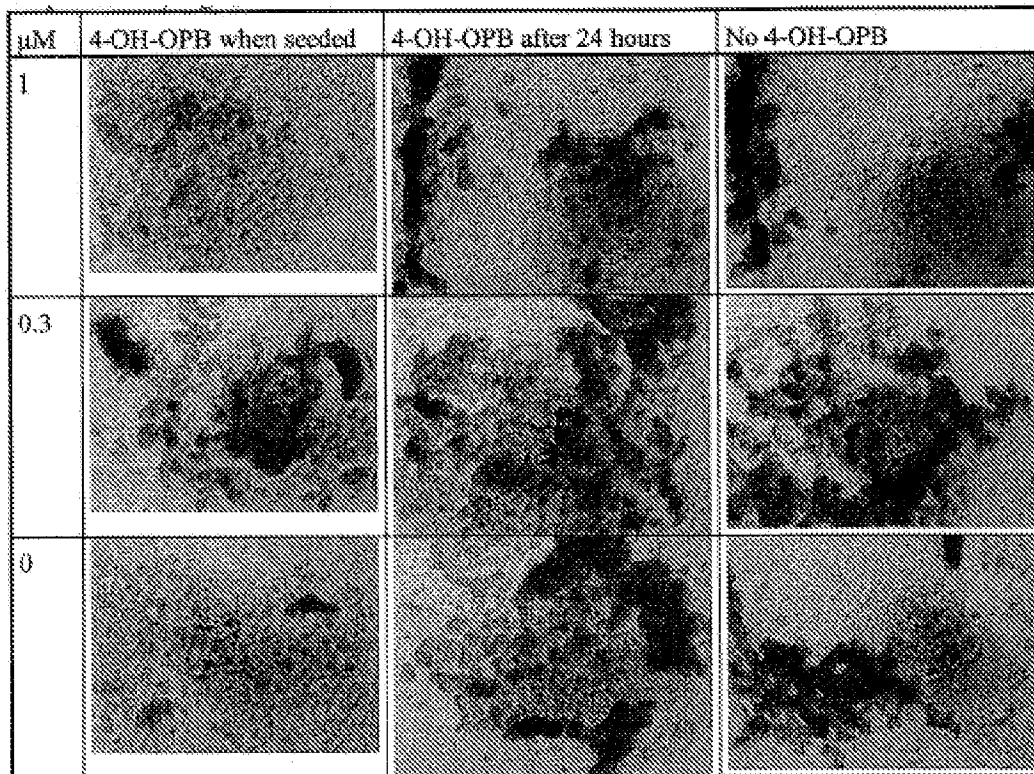
Experiment 6



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**Figure 6c (continued)**

Experiment 6

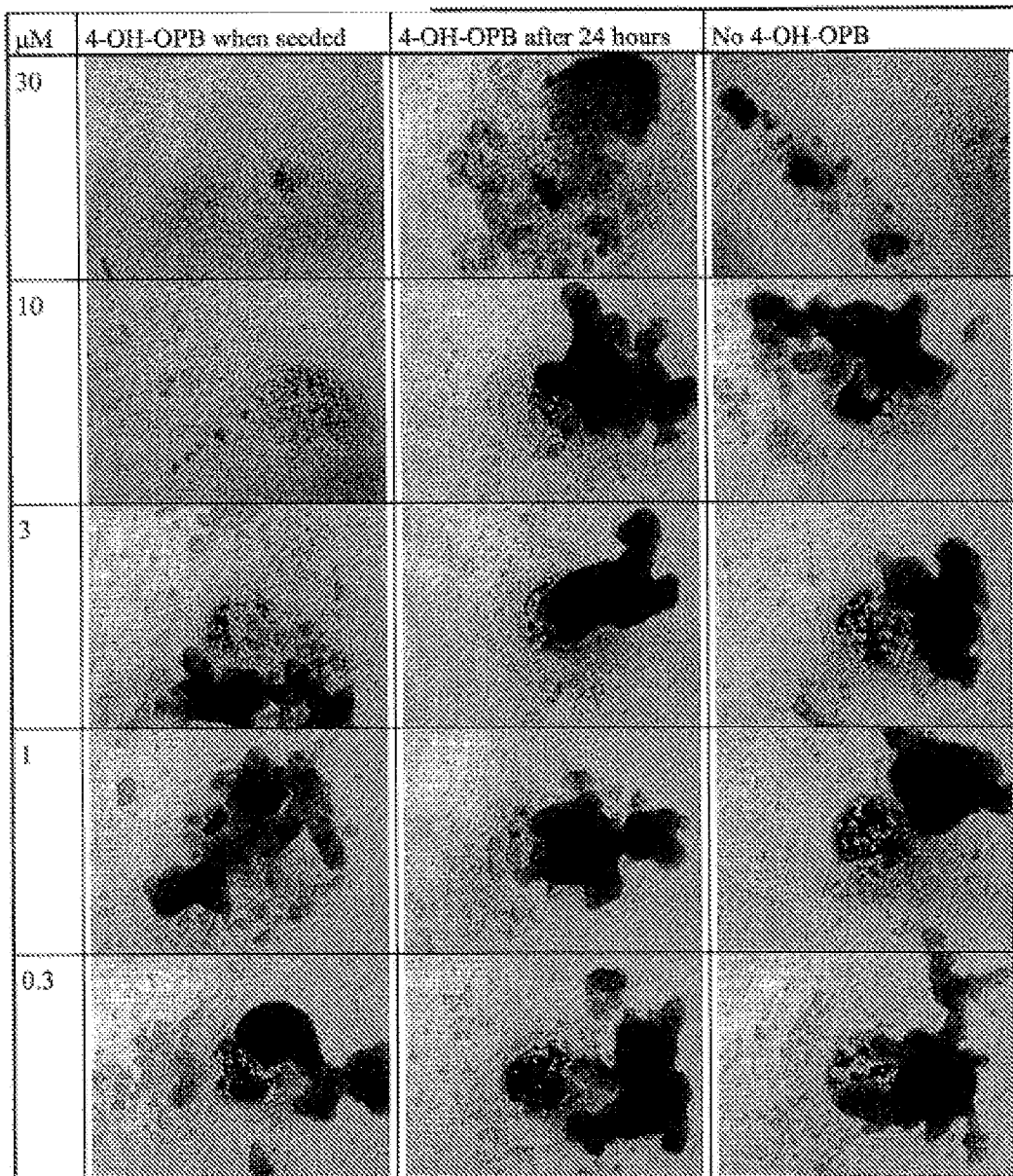




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Figure 6d



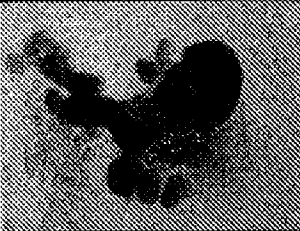
Experiment 6



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**Figure 6d (continued)**



Experiment 6

$\mu\text{M}$	4-OH-OPB when seeded	4-OH-OPB after 24 hours	No 4-OH-OPB
0			

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**Figure 7a**

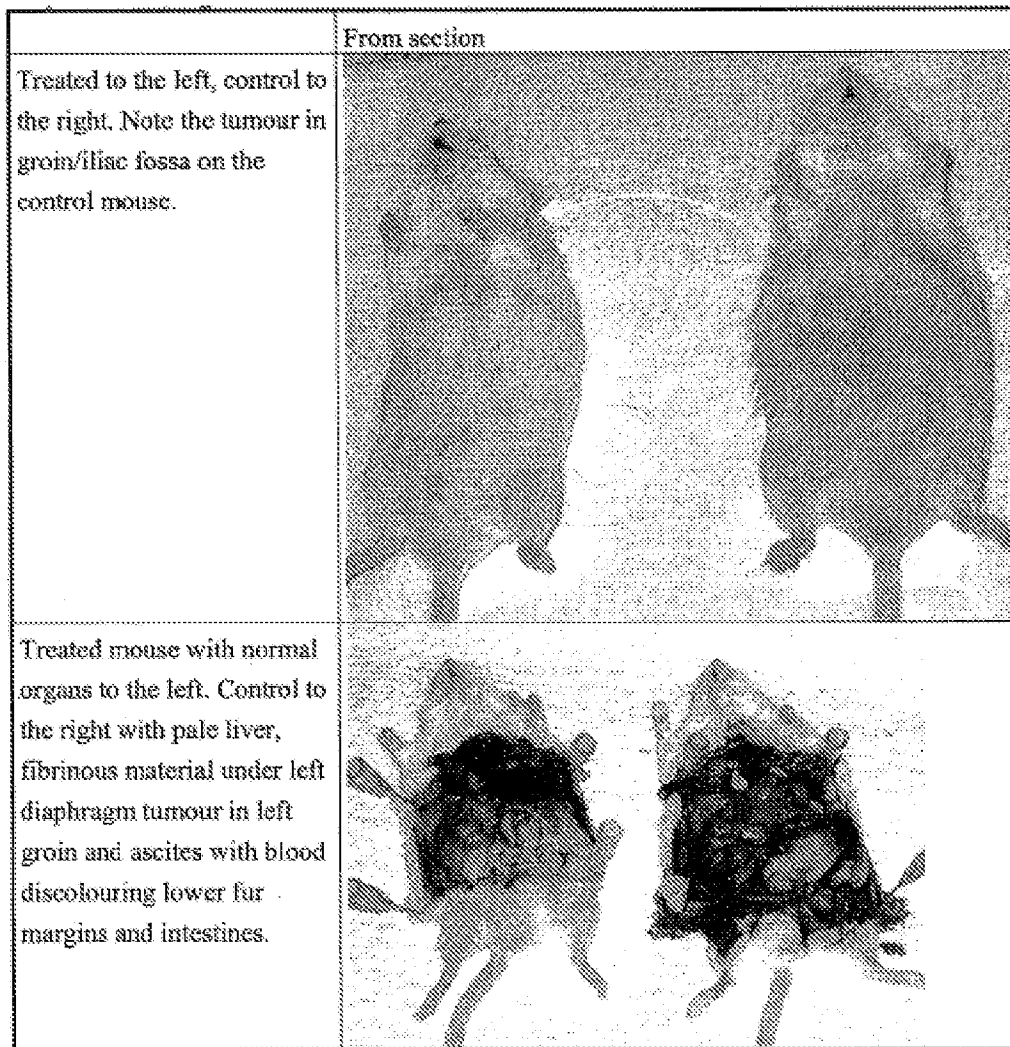
Experiment 7

	Sick control after 19 days
Front/side: Large abdomen, pale external ears and tail	
	Healthy inoculated and treated mouse after 19 days
Want to escape when roof of cage was removed.	

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**Figure 7b**


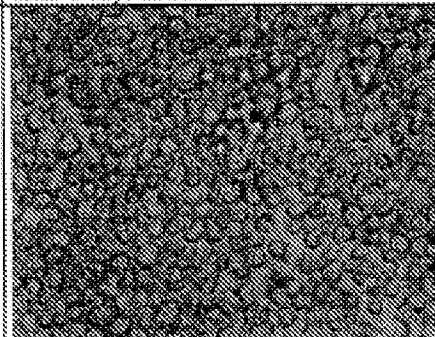
Experiment 7



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**Figure 7c**






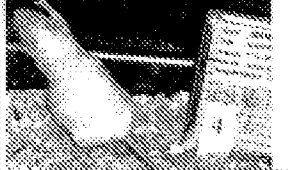


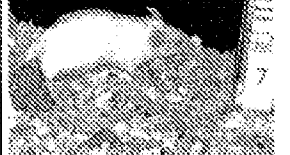
Experiment 7

<p>Treated to the left, control to the right.          Upper row: Lungs and hearts, all normal.          2<sup>nd</sup> row: spleens. Subphrenic fibrinous material with erythrocytes and tumour cells to the right.          3<sup>rd</sup> row: Livers, kidneys.          Bottom row: omentum with tumour material on untreated animal. Solid groin tumour to the right. Lungs, liver, kidneys from control are anaemic.</p>	
	<p>Ehrlich cells from untreated control after 4 days in culture</p>
<p>Ehrlich tumour cells from ascites</p>	

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**Figure 8a**

Experiment 8




No. $\mu$ l*, start	Finished day 17	Live appearance	Live appearance
1; 1.26 $\mu$ l*; day 0	Healthy, no tumour or ascites		
2; 0.42 $\mu$ l; day 0	Healthy, no tumour or ascites		
3; 0.14 $\mu$ l; 0	Healthy, no tumour or ascites. White spots on liver, not suspicious		
4; 0.047 $\mu$ l; day 0	4.5 ml ascites. Lens sized tumour at injection site, left abdominal wall.		
5; 0; day 0	6.77 ml ascites. Injection site free.		
6; 1.13 $\mu$ l; day 1	3.15 ml ascites. At injection site circular branched tumour.		
7; 1.09 $\mu$ l; day 3	Pea-size tumour at injection site in abdominal wall. 15 $\mu$ l ascites with typical cells, no blood.		

\*: From a solution in DMSO with 20 mM 4-OH-OPB

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**Figure 8b**




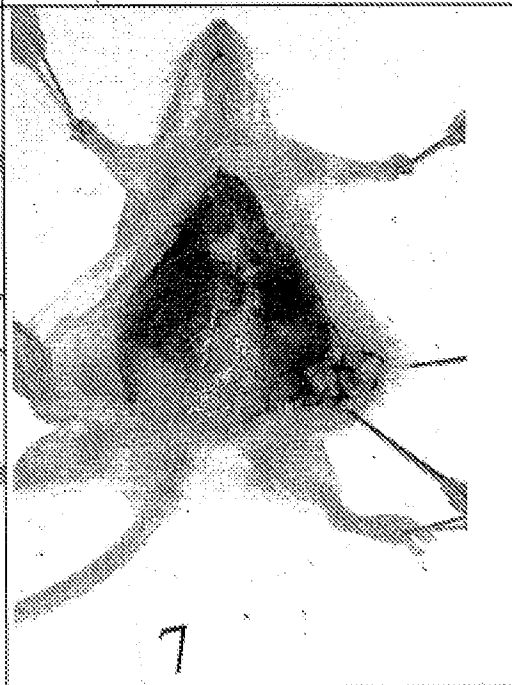
Experiment 8

Number	Description	Picture
1 and 2		
3		

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Figure 8c

Experiment 8

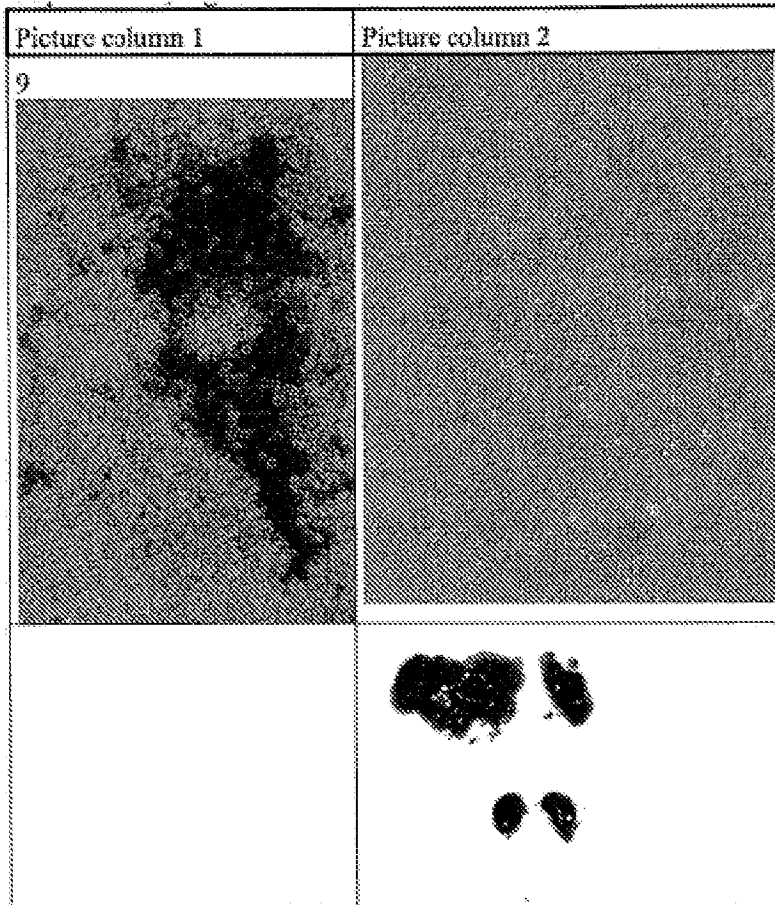
Number	Description	Picture
4 and 5		
6 and 7		



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**Figure 9a**

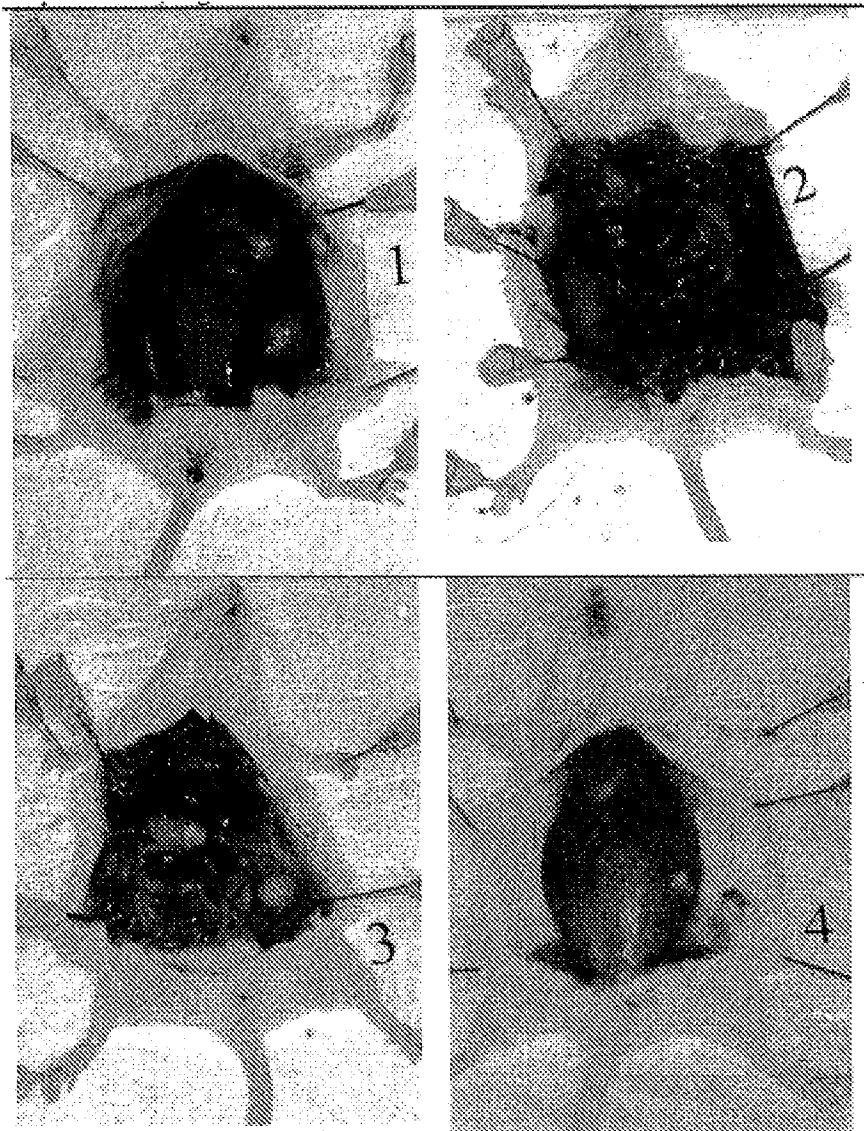
Experiment 9



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**Figure 9b**

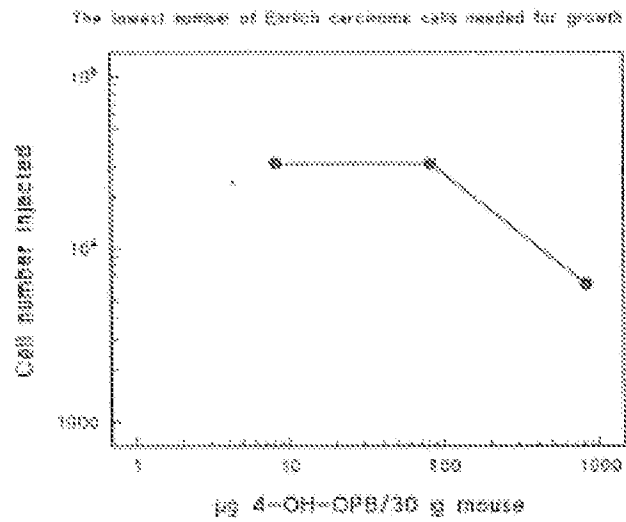
Experiment 9



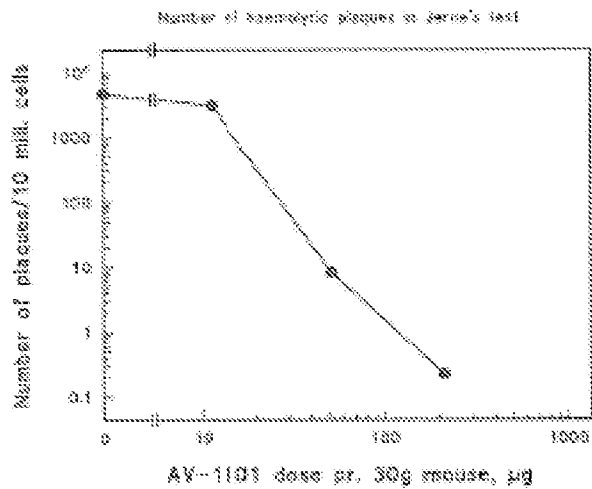
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## Figure 9c

### Experiment 9

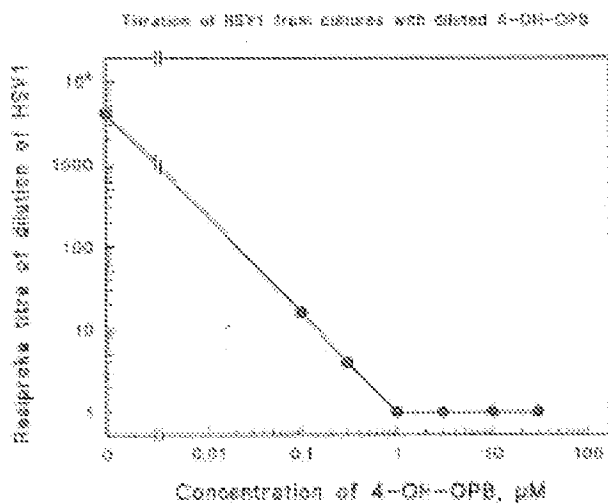


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**Figure 10**

Experiment 10



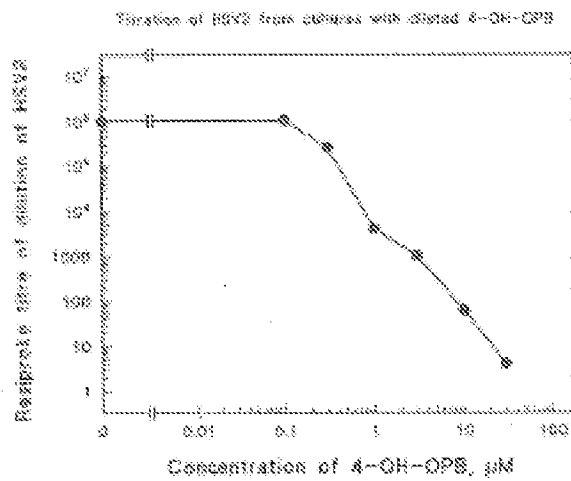
**Figure 11**

Experiment 11b

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## Figure 12

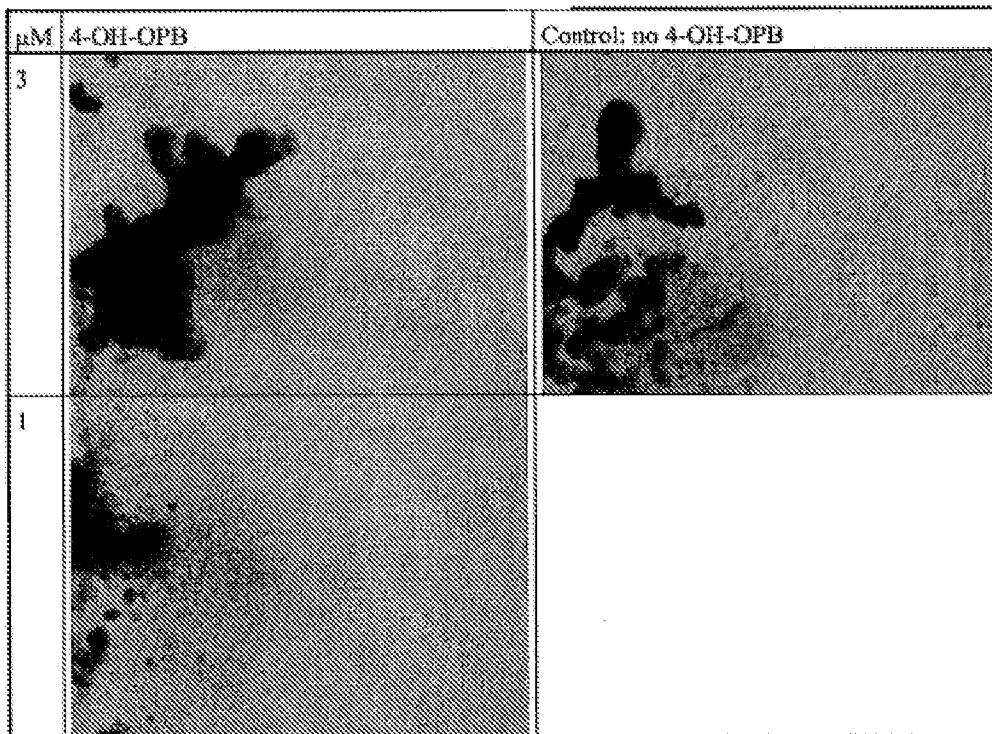
### Experiment 12



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**Figure 13a**

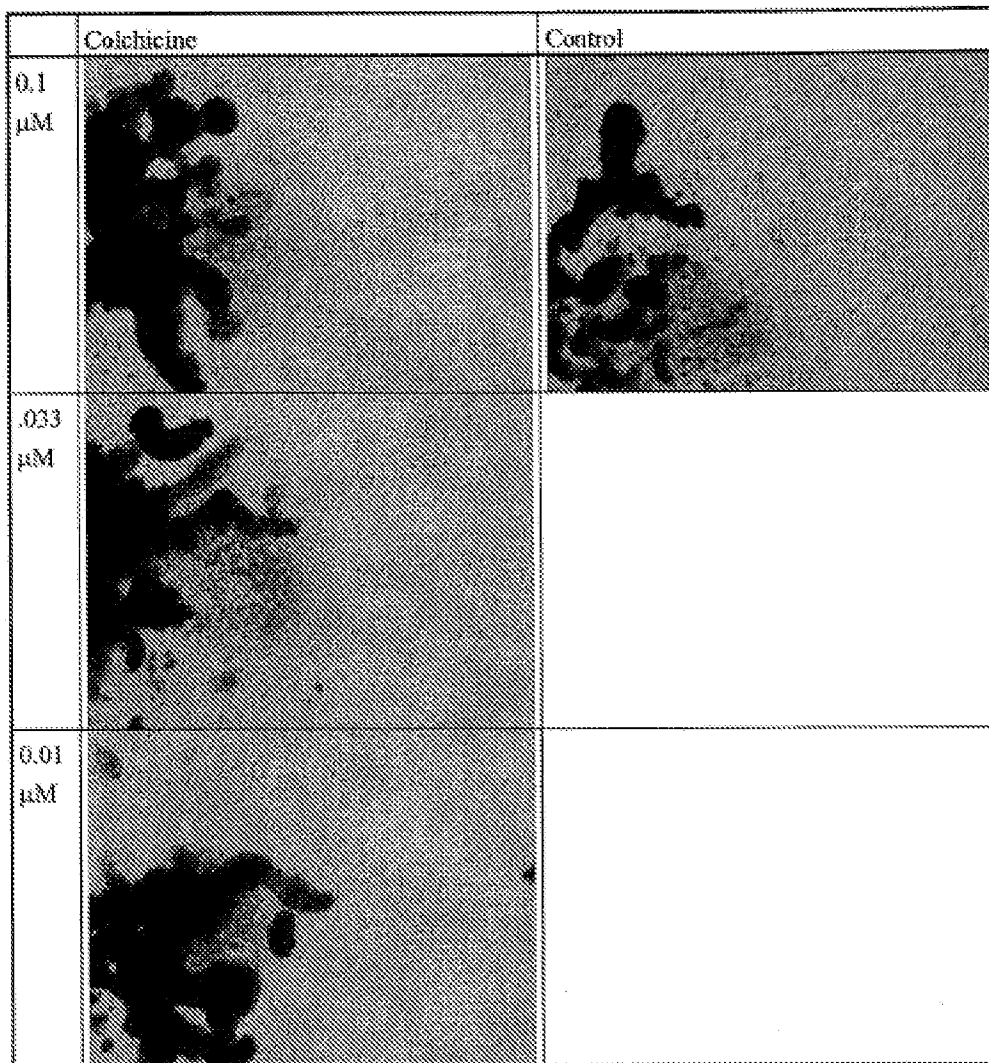
Experiment 13, After 3 days of growth:



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**Figure 13b**

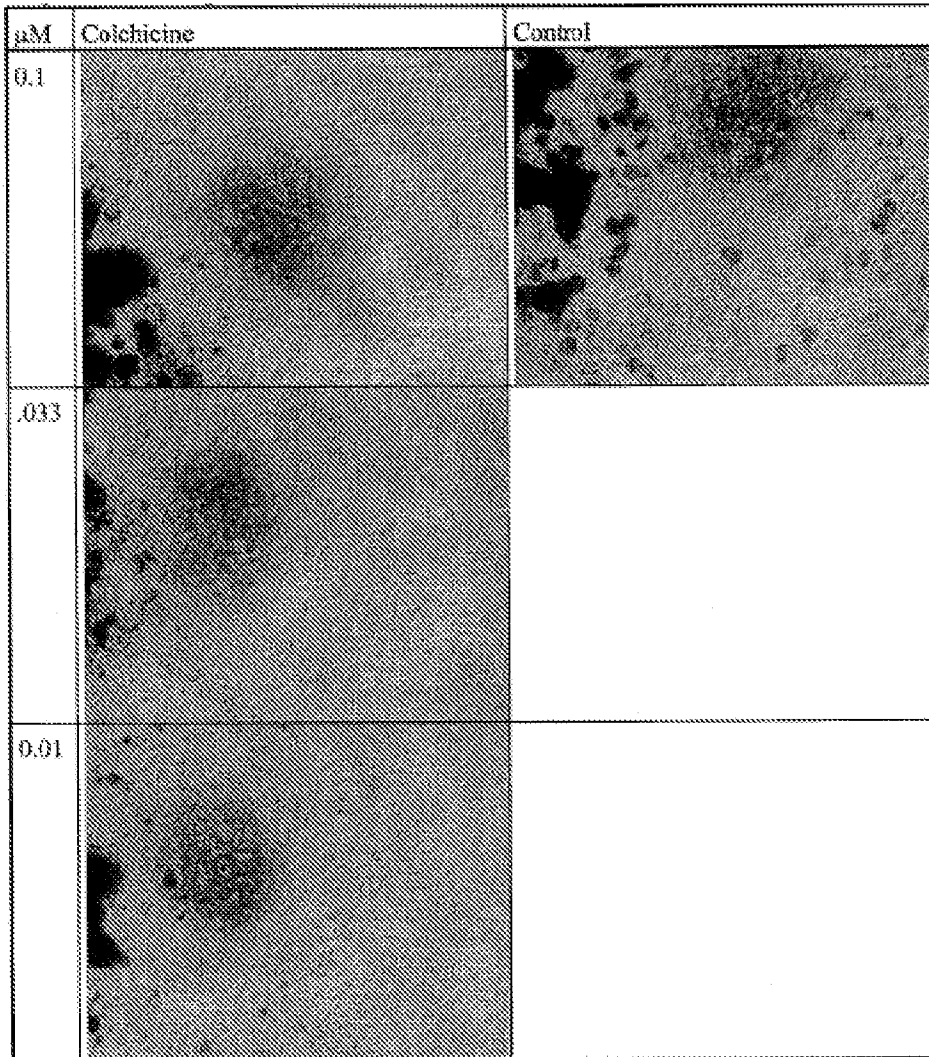
Experiment 13, After 3 days of growth:



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**Figure 13c**

Experiment 13, After 4 days of growth:

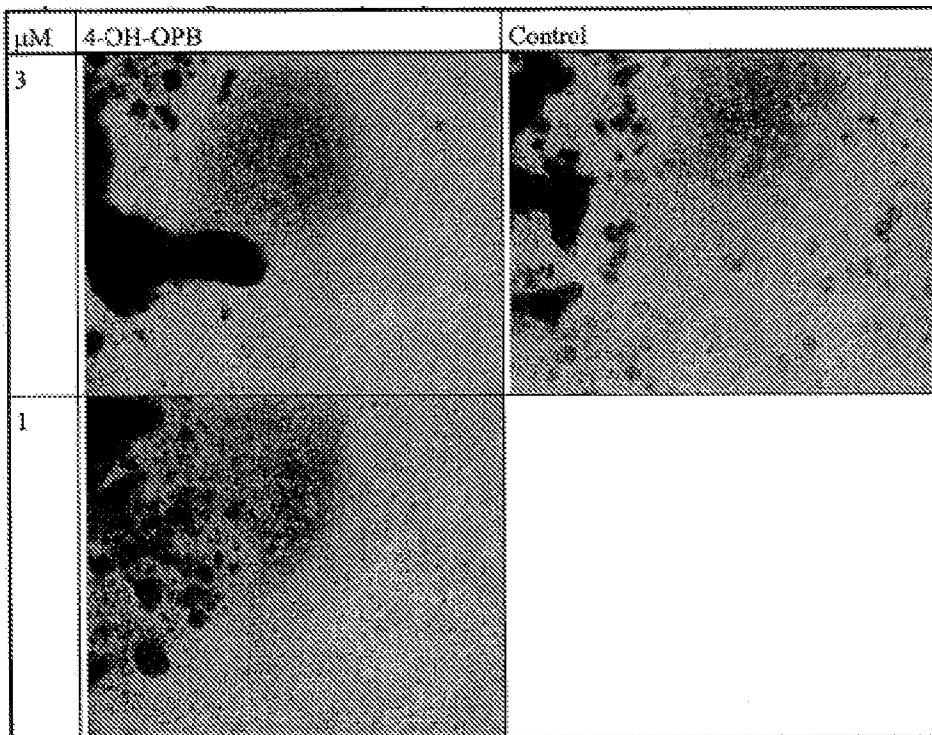




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**Figure 13d**

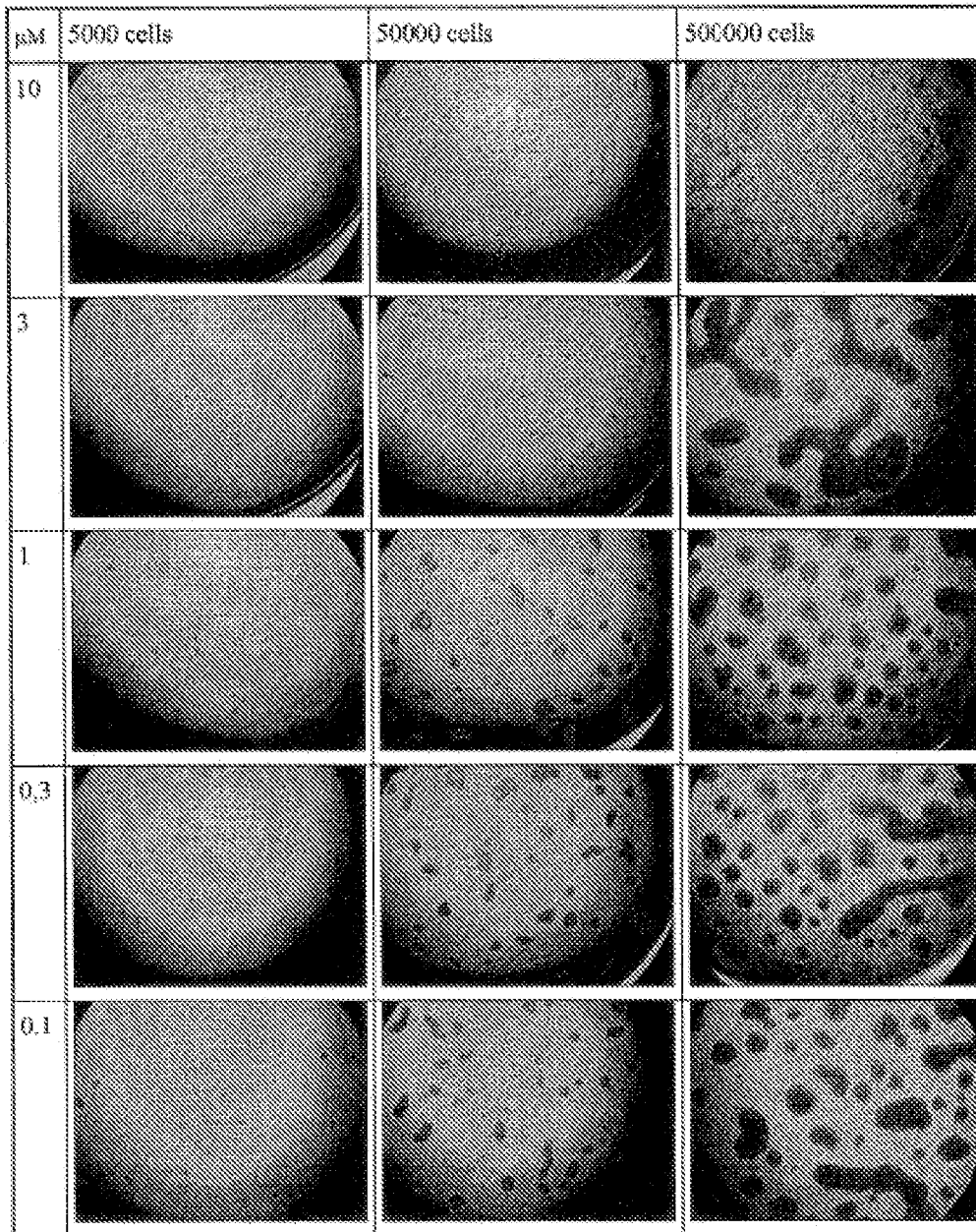
Experiment 13, After 4 days of growth:



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**Figure 14a**

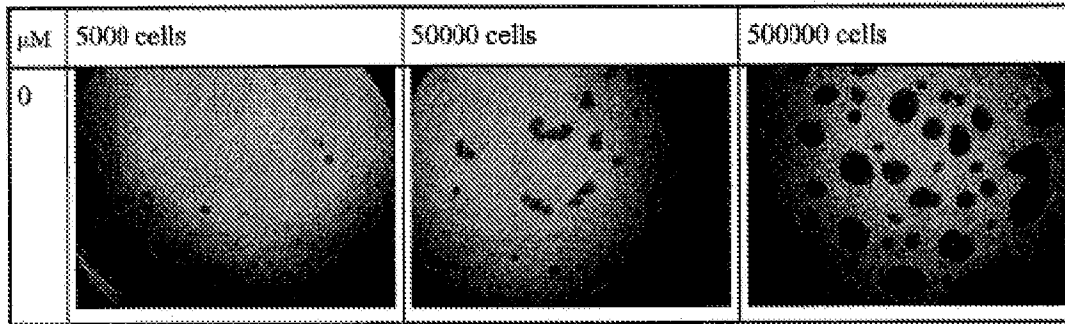
Experiment 14, Cellular growth the second day:



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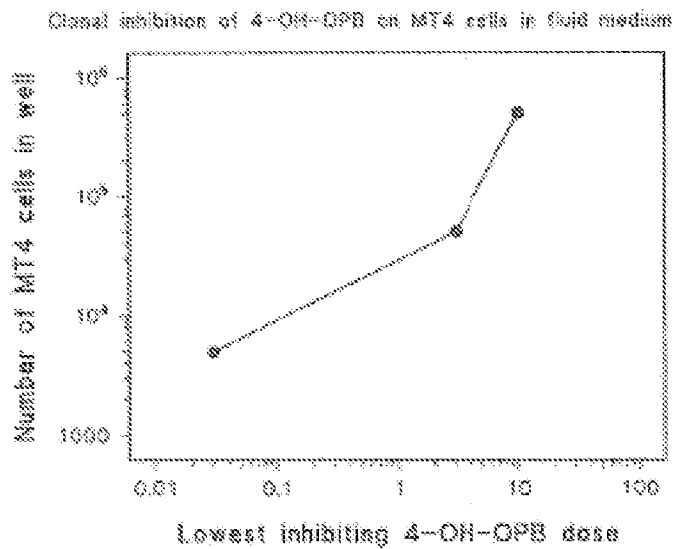
**Figure 14a (continued)**

Experiment 14, Cellular growth the second day:



**Figure 14b**

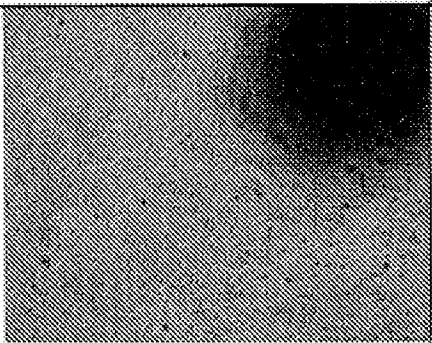
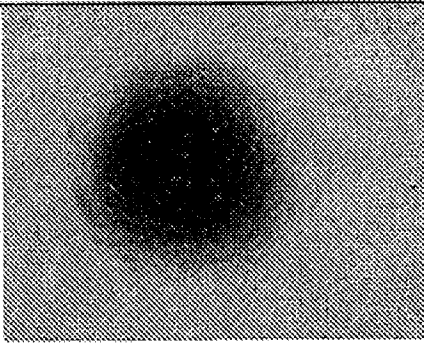
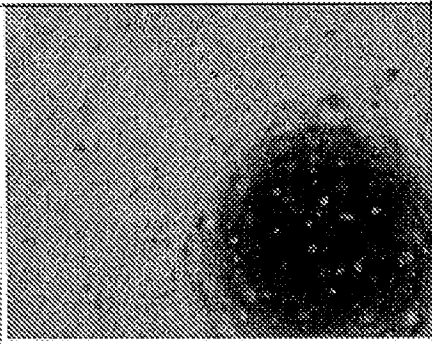
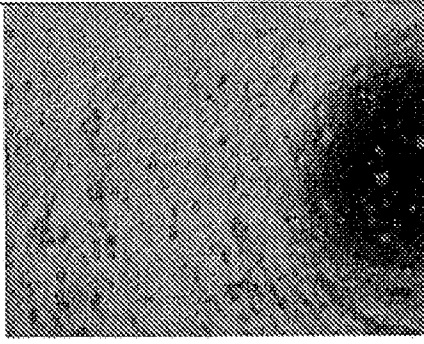
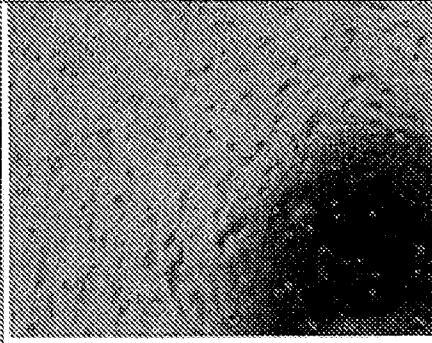
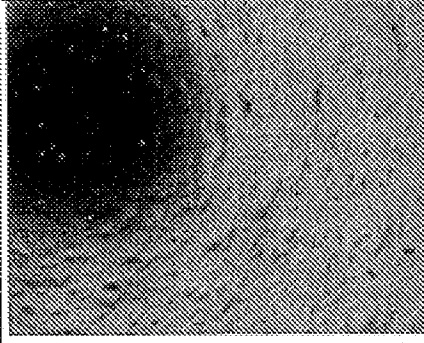
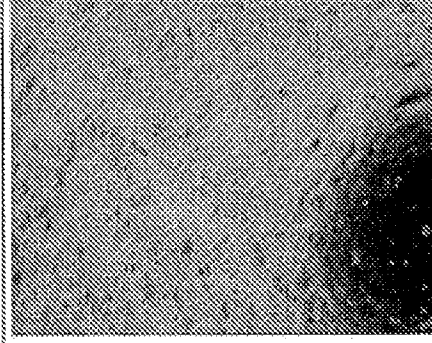
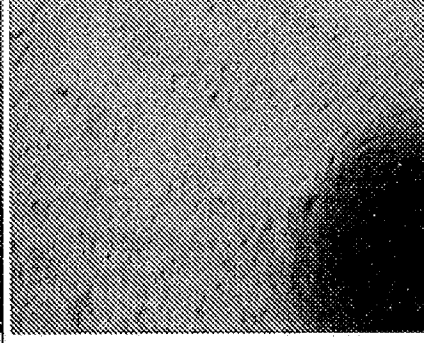
Experiment 14



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**Figure 15a**

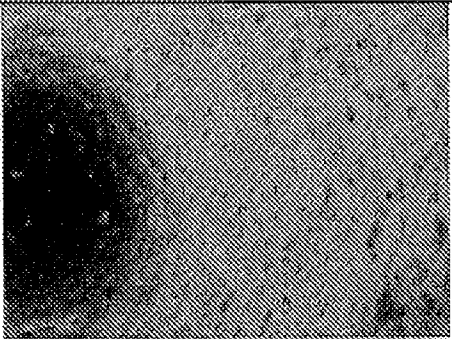
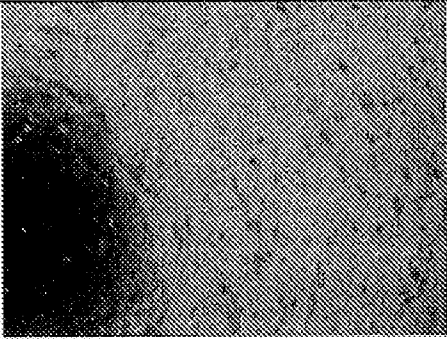
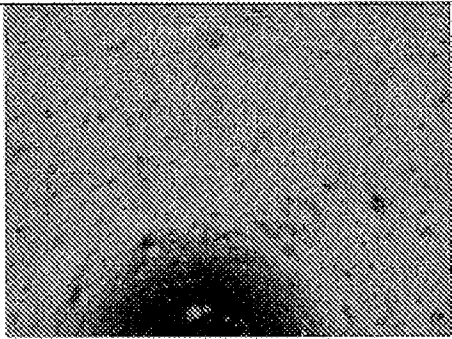
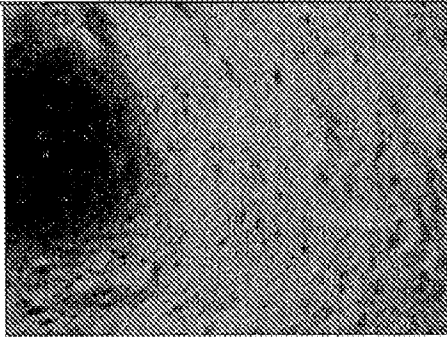
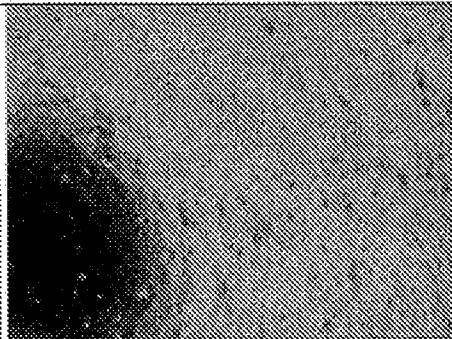
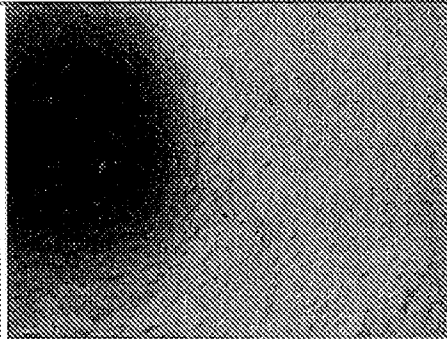
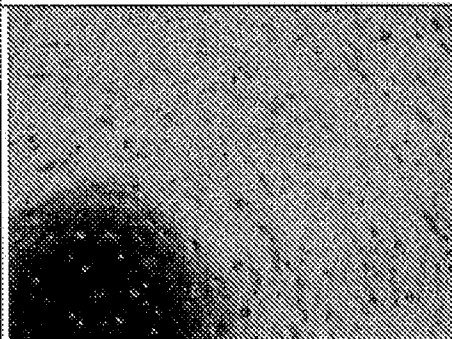
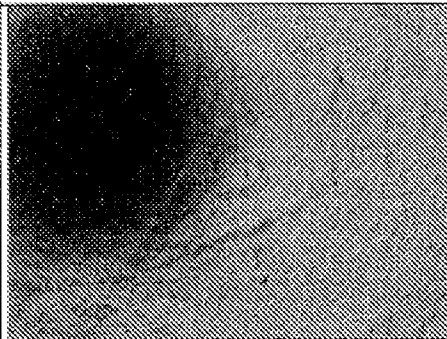
Experiment 15, Photos on day 5:

Name number:	Low concentration	High concentration
4-OH- OPB 1		
Colchicine 2		
Diphenyl hydantoin 3		
Podophyl o-toxin 4		

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**Figure 15b**

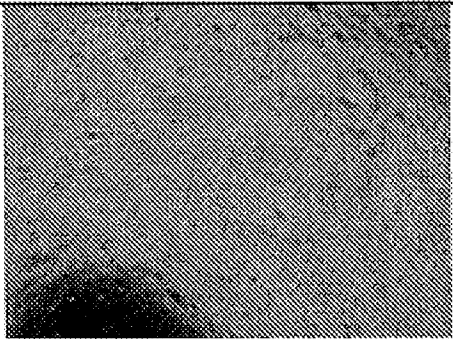
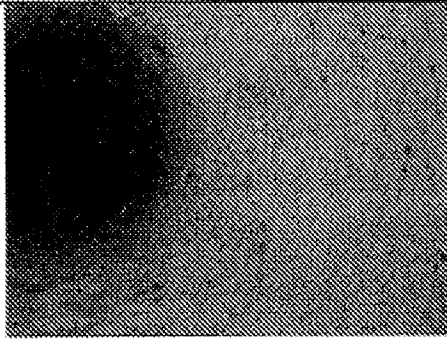
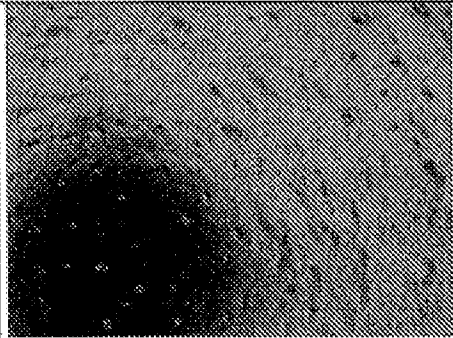
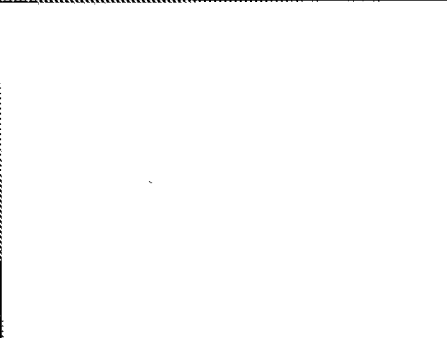
Experiment 15, Photos on day 5:

Name, number:	Low concentration	High concentration
Piroxicam 5		
Diclofenac 6		
Ibuprofen 7		
Naproxen 8		

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**Figure 15c (continued)**

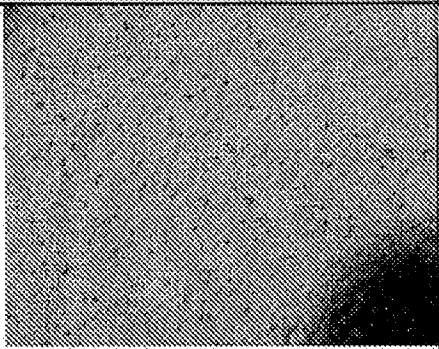
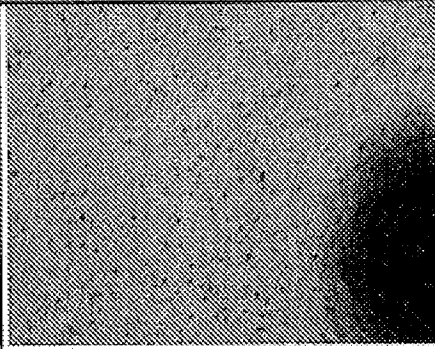
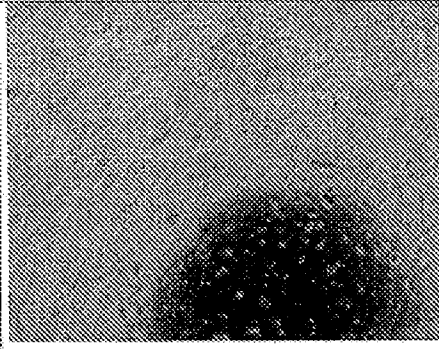
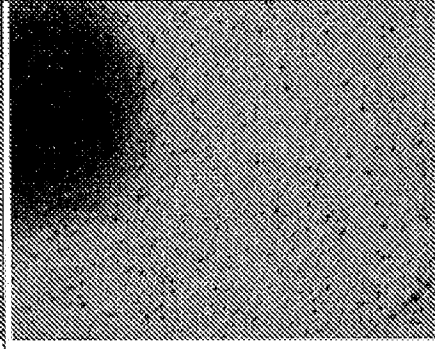
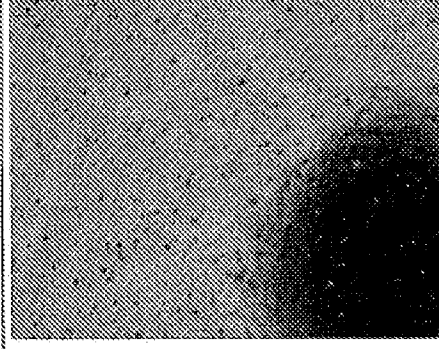
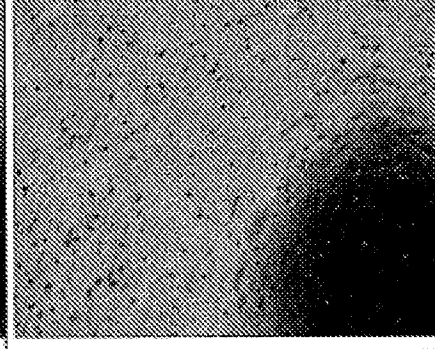
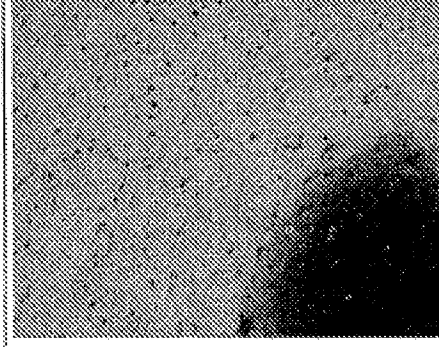

Experiment 15, Photos on day 5:

Name, number:	Low concentration	High concentration
Acetylsali cyclic acid 9		
Control 10		

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**Figure 16a**

Experiment 16, Photos on day 14:

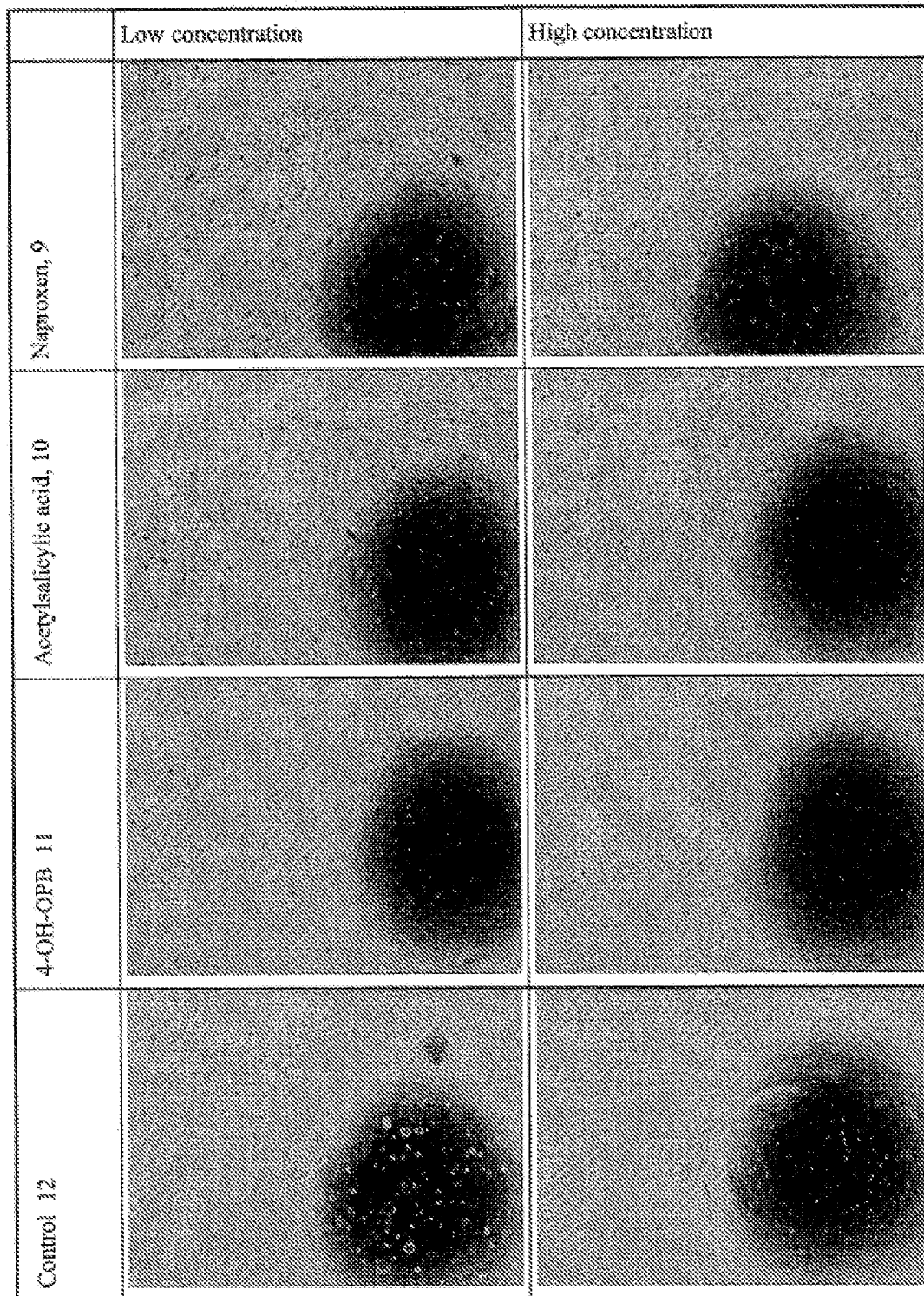
	Low concentration	High concentration
Colchicine, 1		
Colchicine, 2		
Colchicine, 3		
Colchicine, 4		



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**Figure 16b**

Experiment 16, Photos on day 14:

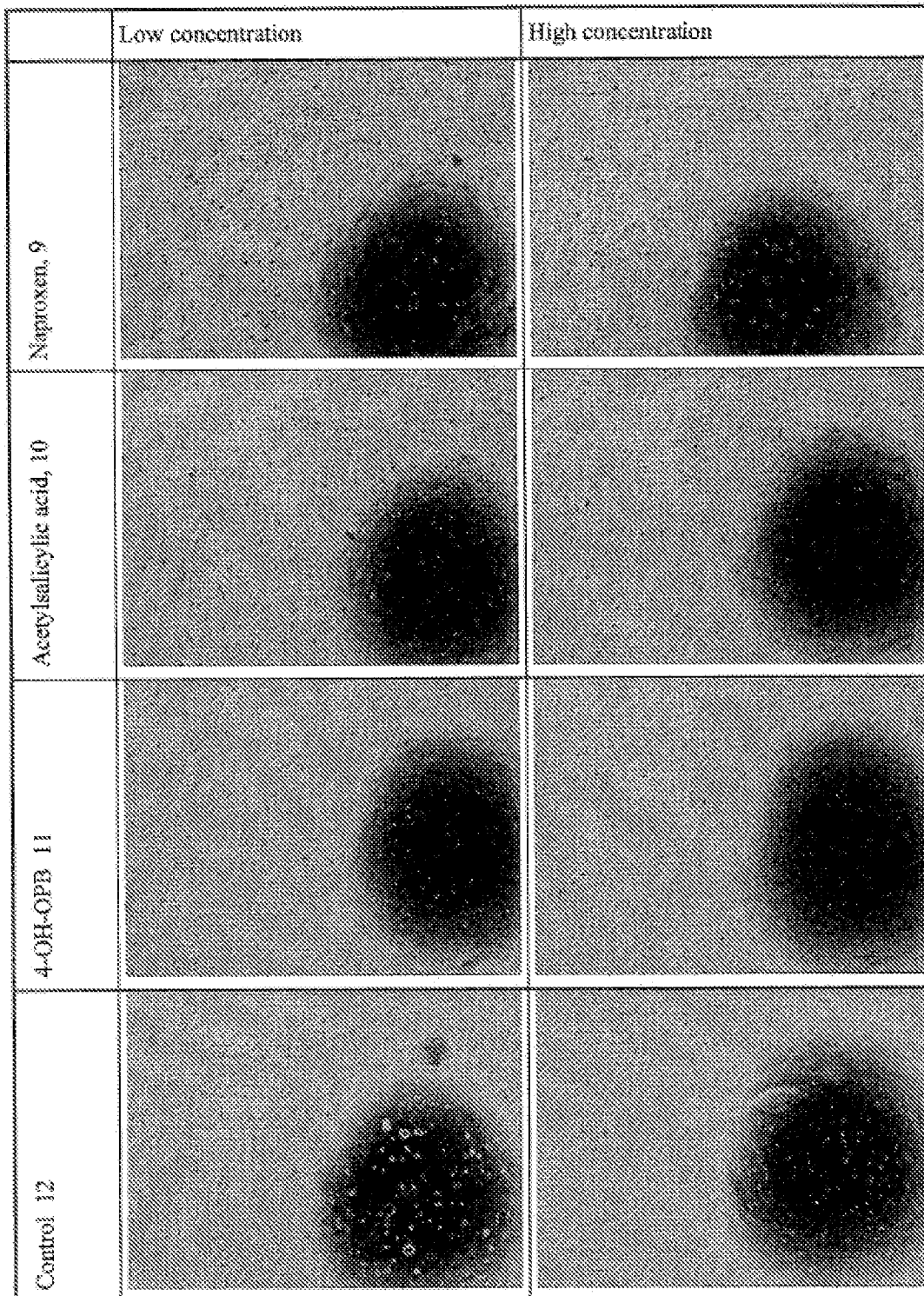




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Figure 16c

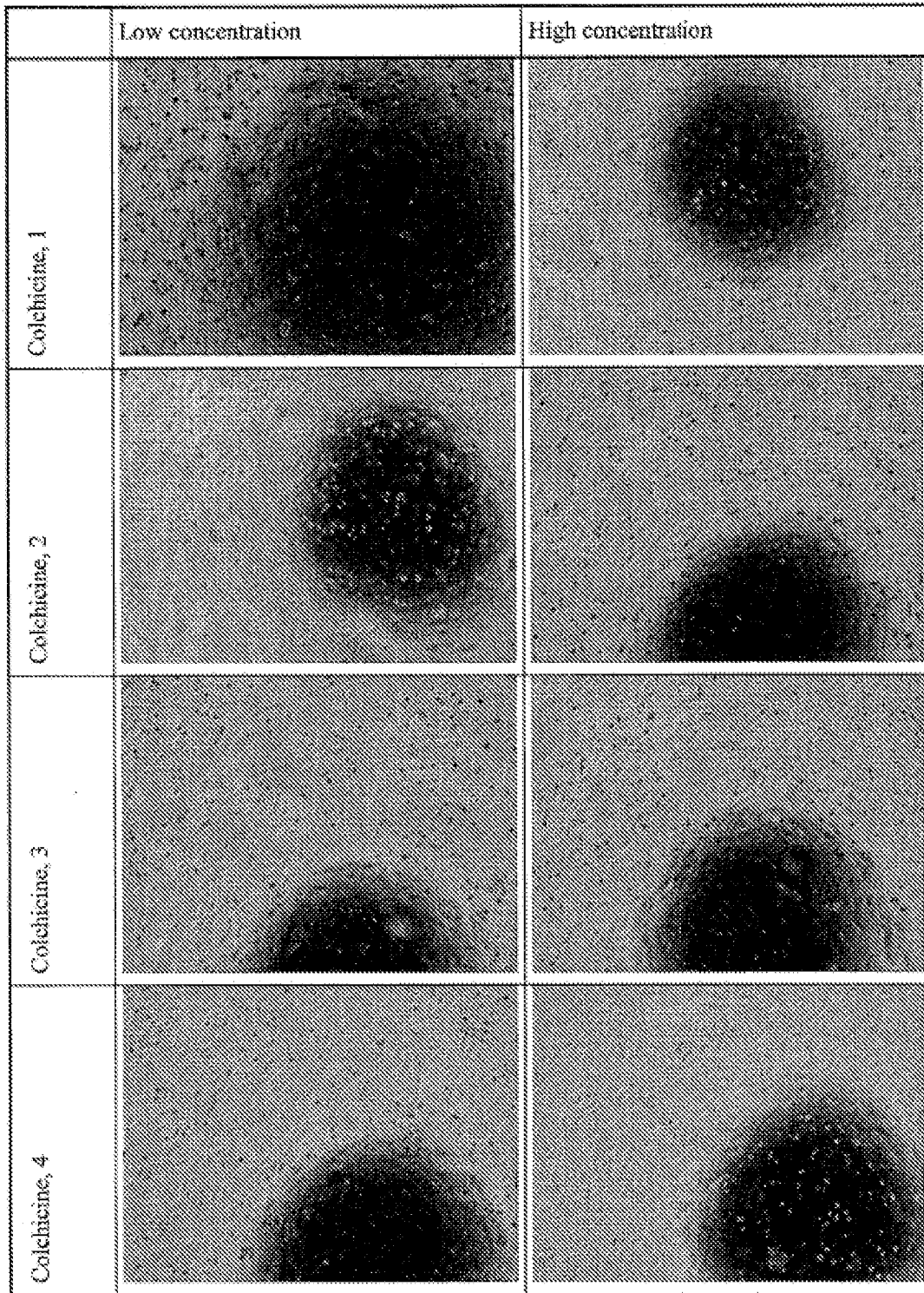
Experiment 16, Photos on day 14:



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**Figure 16d**

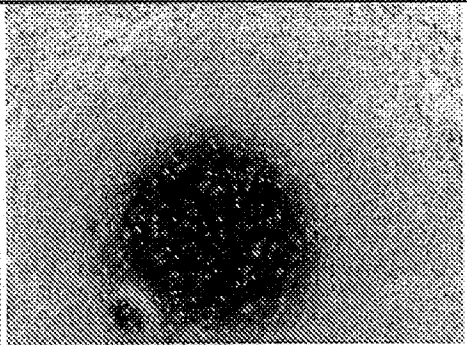
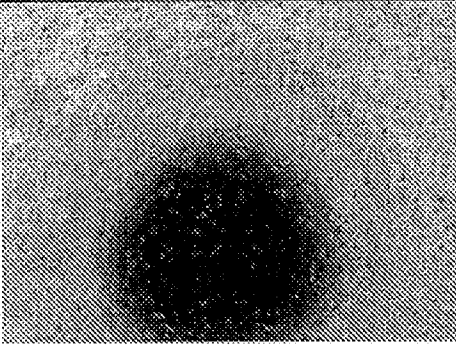
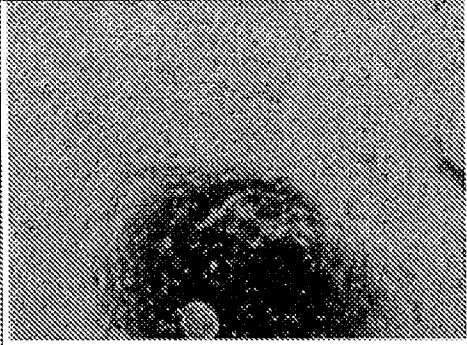
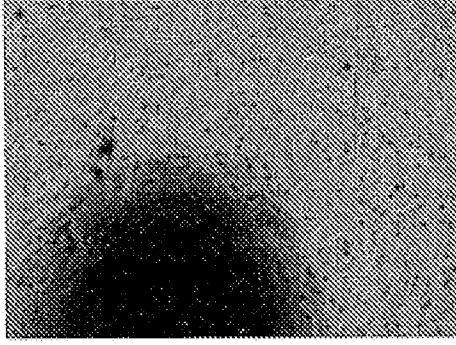
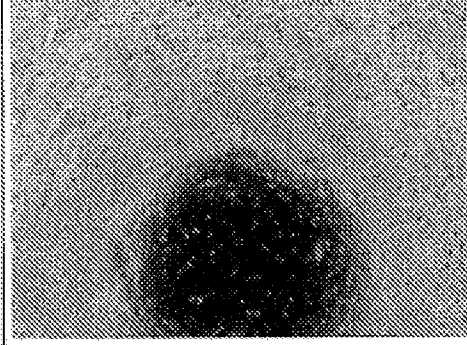
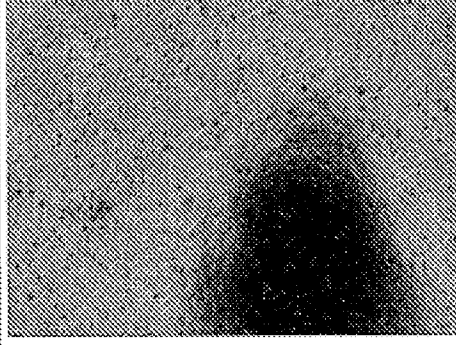
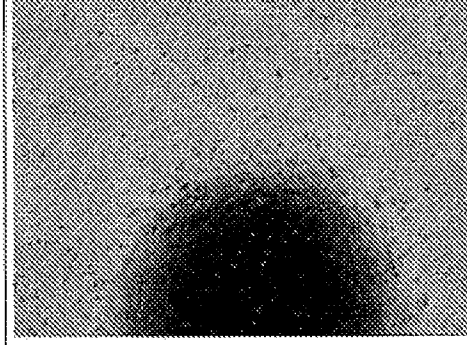
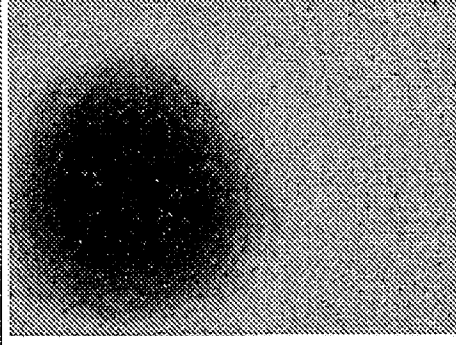
Experiment 16, Photos on day 21:



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Figure 16e

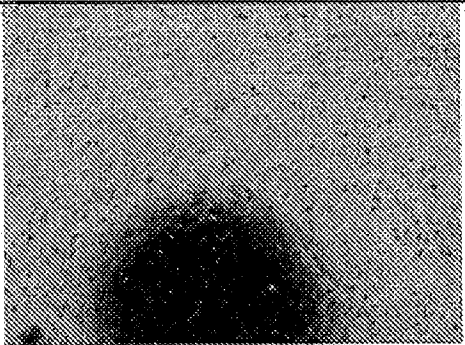
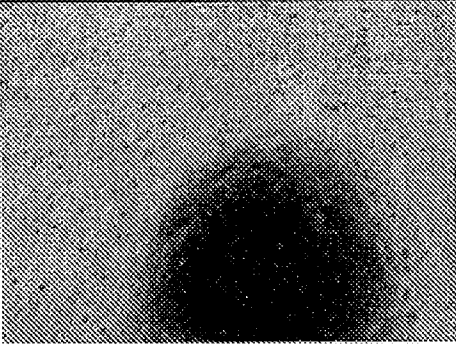
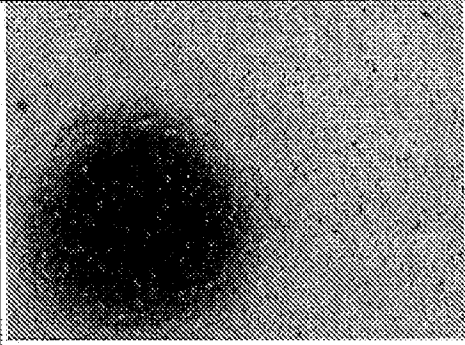
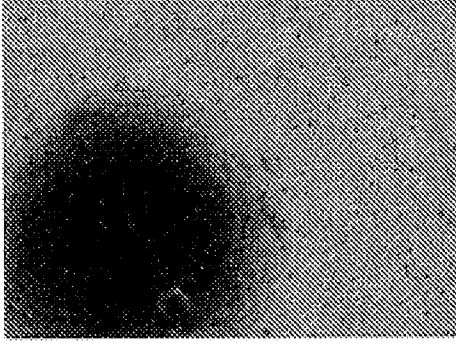
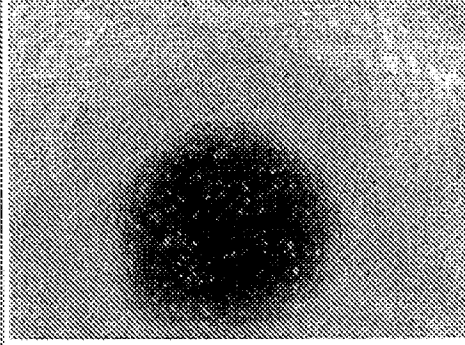
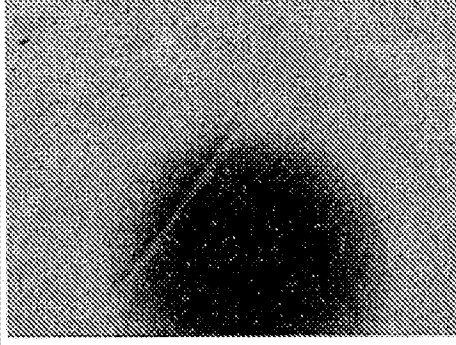
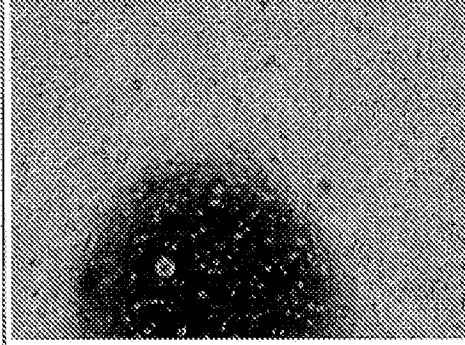
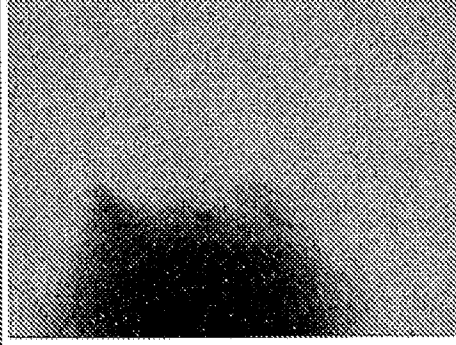
Experiment 16, Photos on day 21: (continued)

	Low concentration	High concentration
Podophyllotoxin, 5		
Podophyllotoxin, 6		
Podophyllotoxin, 7		
Ibuprofen, 8		

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**Figure 16f**

Experiment 16, Photos on day 21: (continued)

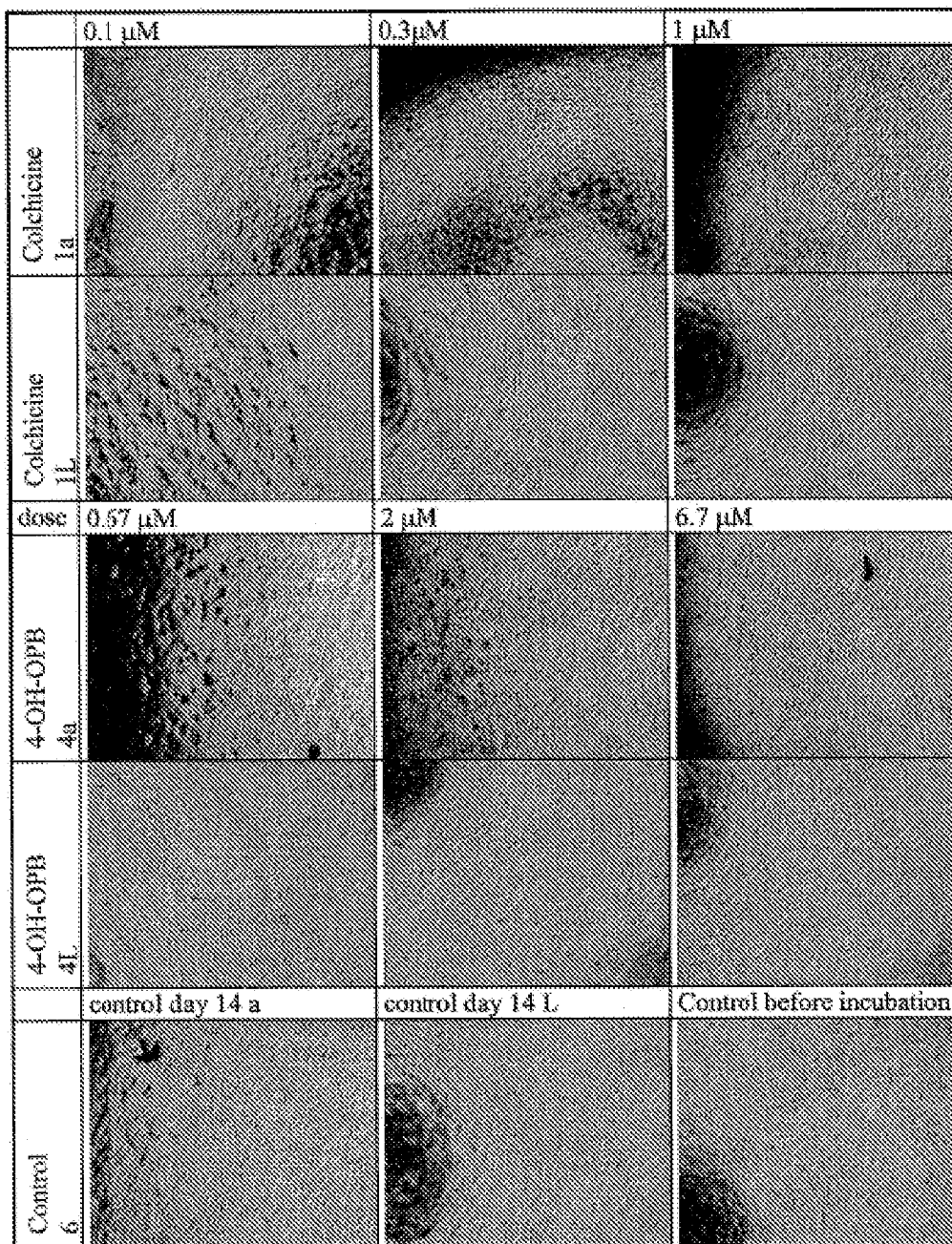
	Low concentration	High concentration
Naproxen, 9		
Acetylsalicylic acid, 10		
4-OH-OPB 11		
Control, picture to the right: day 0, 12		



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**Figure 17a**

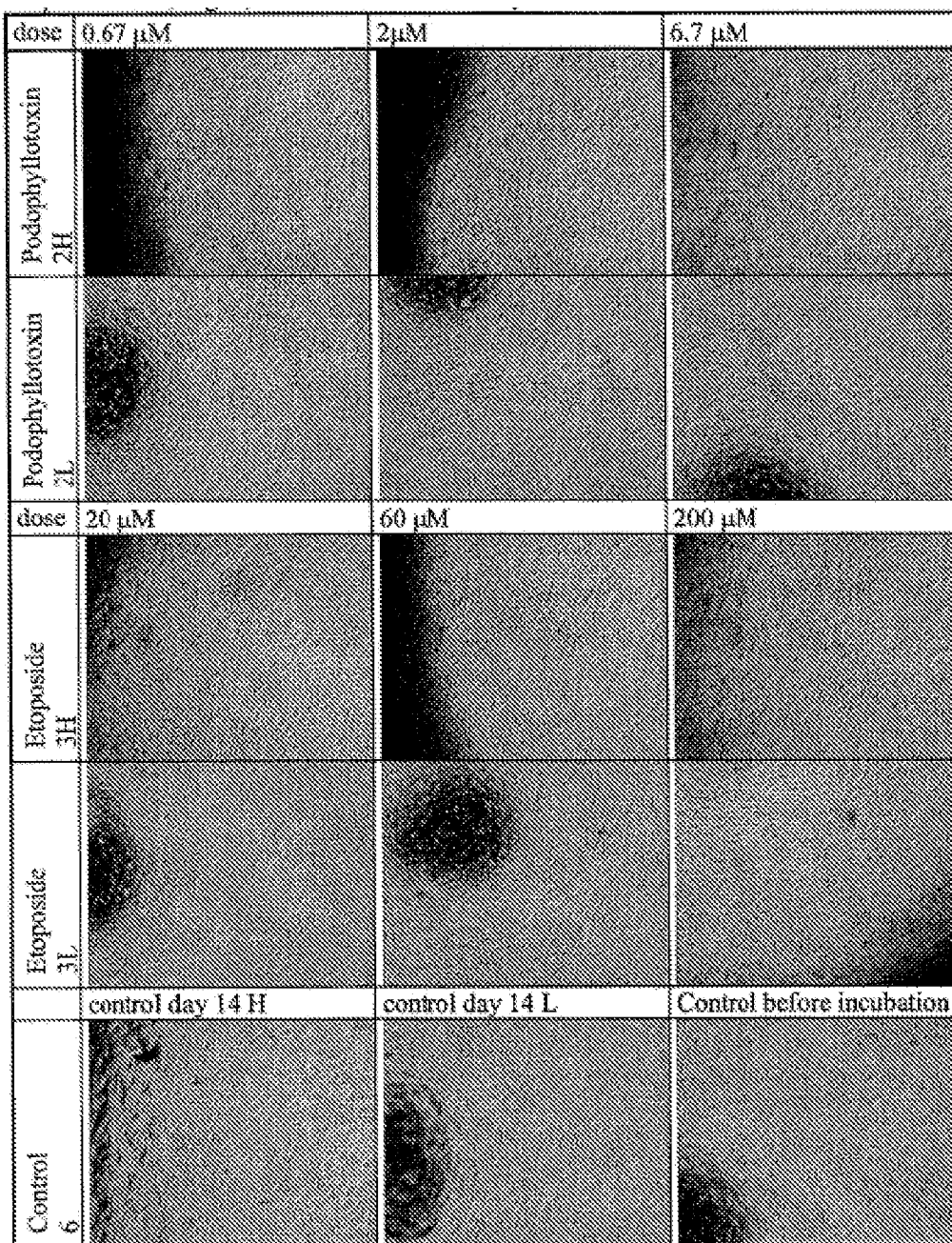
Experiment 17, Photos on day 14:



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**Figure 17b**

Experiment 17, Photos on day 14:

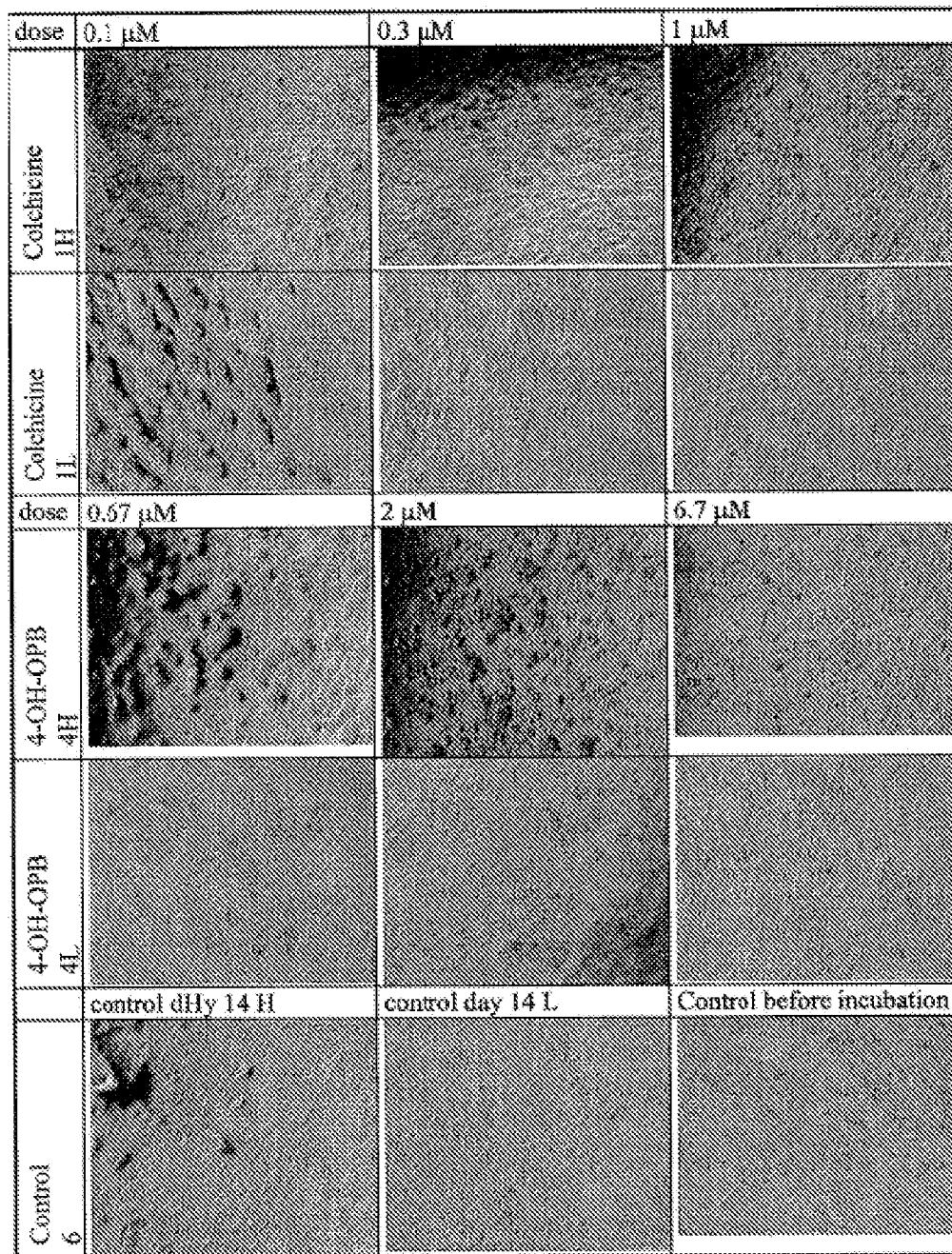


H: Photography from dense area, L: from sparsely seeded area.

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**Figure 17c**

Experiment 17, Photos on day 14, magnified:

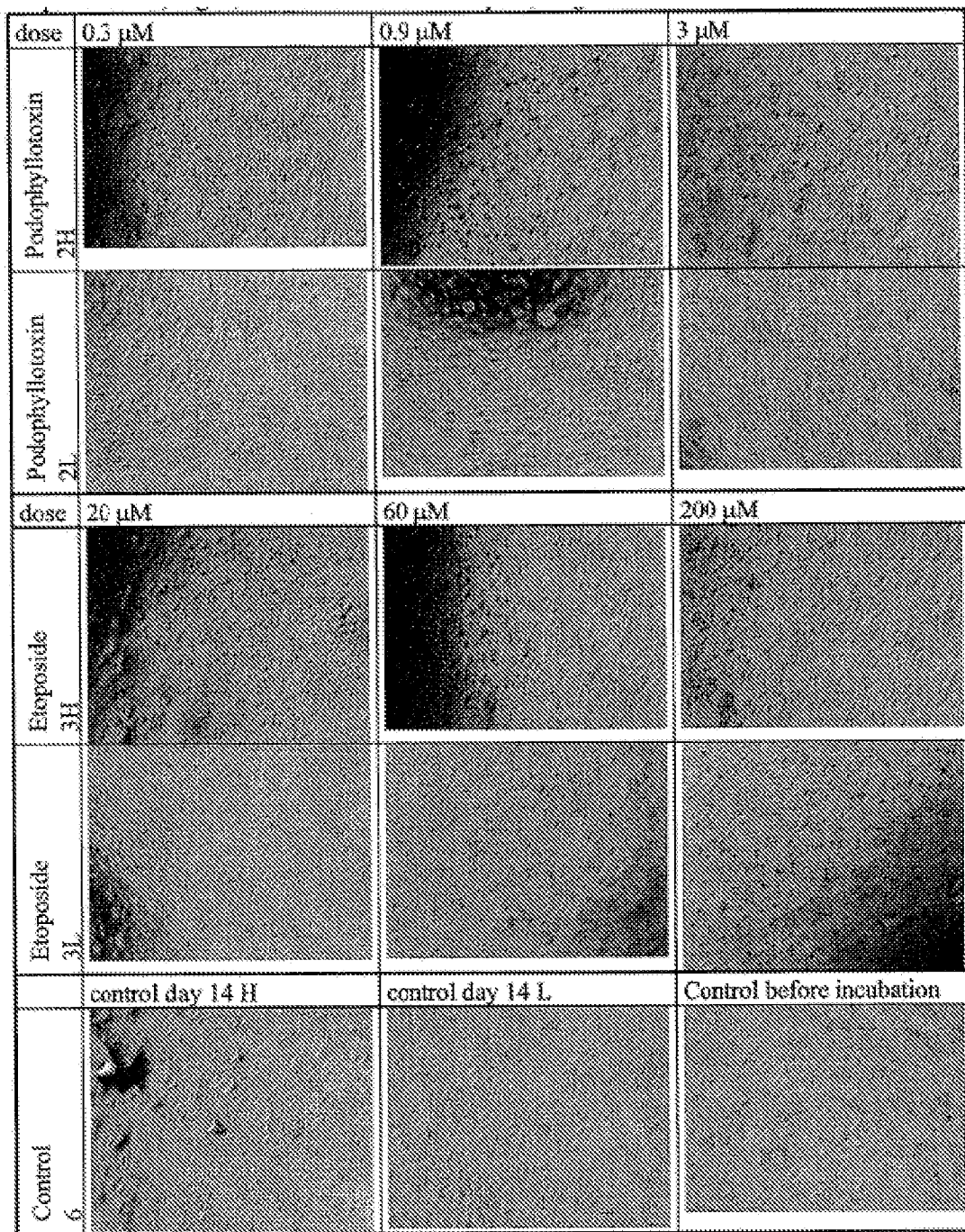


H: Photography from dense area, L: from sparsely seeded area.

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**Figure 17d**

Experiment 17, Photos on day 14, magnified:

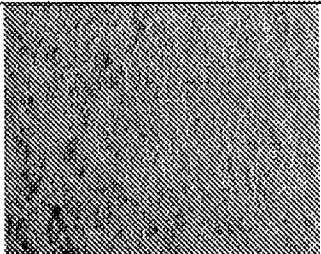

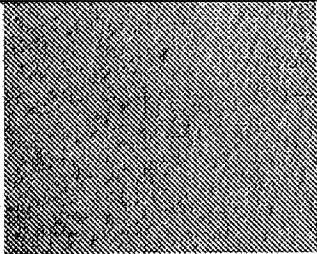
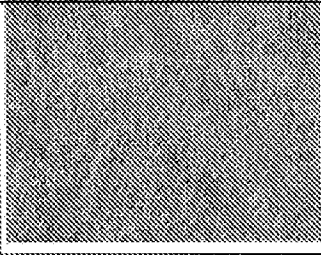
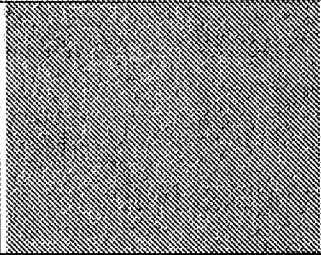
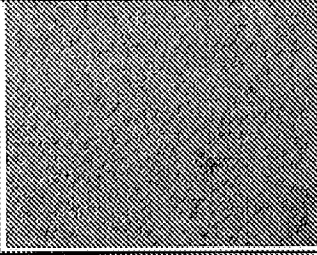

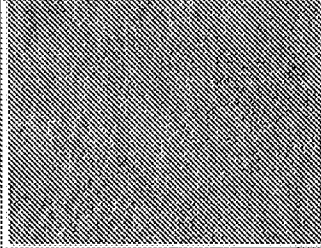
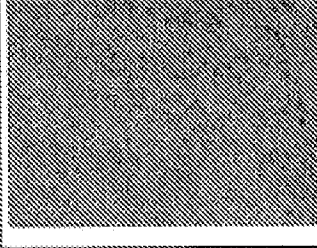




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Figure 17e


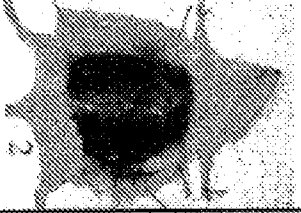
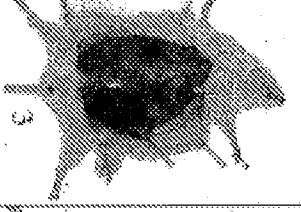
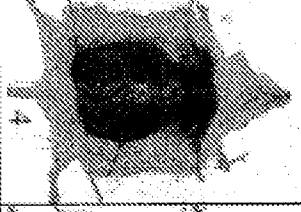
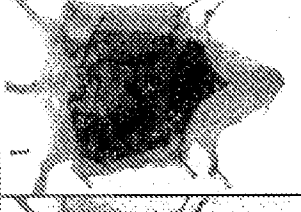


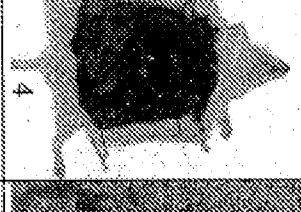
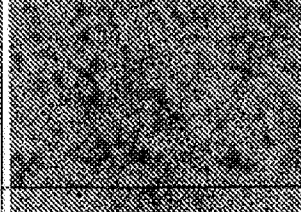

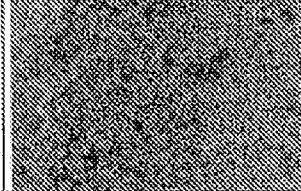
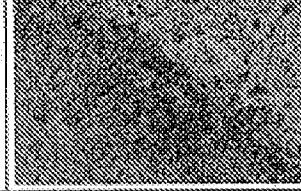
Experiment 17, Photos on day 14, magnified:

dose		0.19%	1.13%	4.7%
DMSO	5H			
	5L			
		control 14 H	control 14 L	Control before incubation
Control	6			

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**Figure 18**

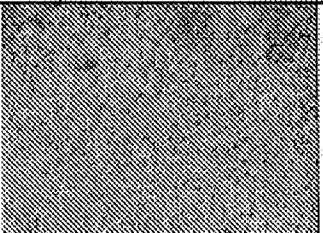
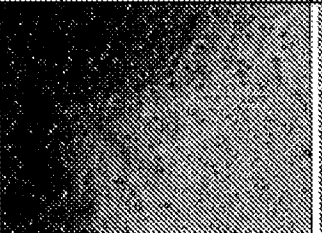
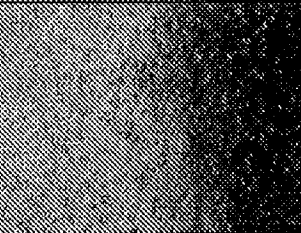
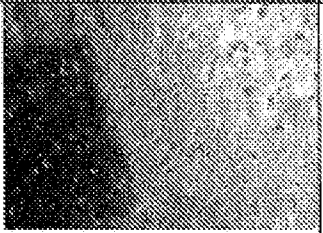
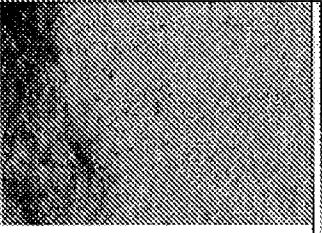
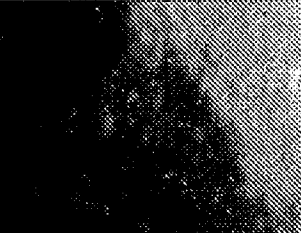
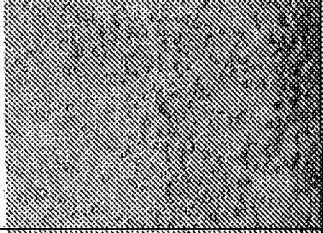
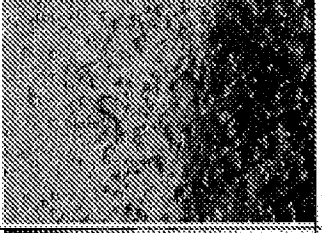
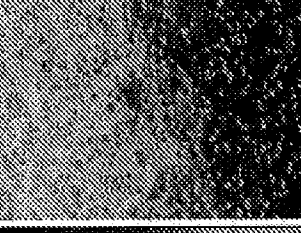


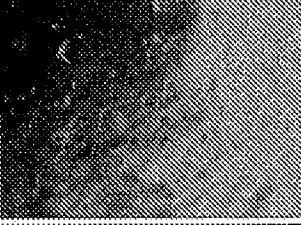
Experiment 18, Examination post mortem of the experimental animals:

Mouse 1 and 2: Lens sized solid tumours in abdominal wall at injection site of Ehrlich ascites into peritoneum.		
Mouse 3: Lens sized solid tumours in abdominal wall at injection site of Ehrlich ascites into peritoneum. Mouse 4: 2 x 3 mm tumour at same site.		
Mouse 1 and 2: with 0.1 and 1 ml ascites respectively that contained Ehrlich cells. No macroscopic organ involvement.		
Mouse 3 and 4: with 1.5 and 4 ml ascites respectively that contained Ehrlich cells. No macroscopic organ involvement.		
Microscopic picture of ascites from animal 1 and 2: Typical Ehrlich ascites cells.		
Microscopic picture of ascites from animal 3 and 4: Typical Ehrlich ascites cells.		

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**Figure 19a**

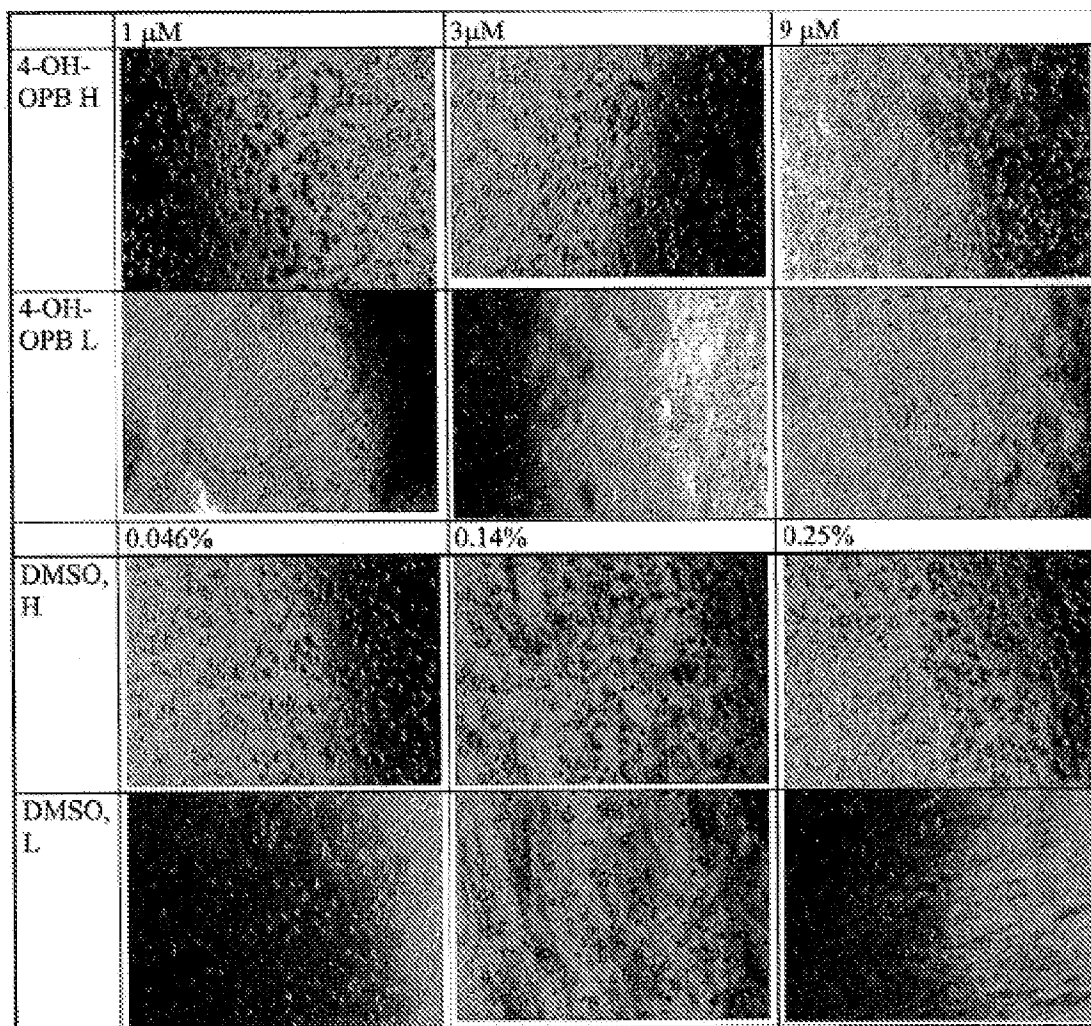
Experiment 19, After 48 hour incubation. H: Dense and L sparsely seeded areas in agar medium:

	52.1 $\mu$ M	156.3 $\mu$ M, DMSO 0.16%	468.9 $\mu$ M, DMSO 0.47%
Mycophenolic acid, H			
Mycophenolic acid, L			
	59.8 $\mu$ M	179.2 $\mu$ M	537.3 $\mu$ M, DMSO 0.27%
Cyclophosphamide, H			
Cyclophosphamide, L			

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**Figure 19b**

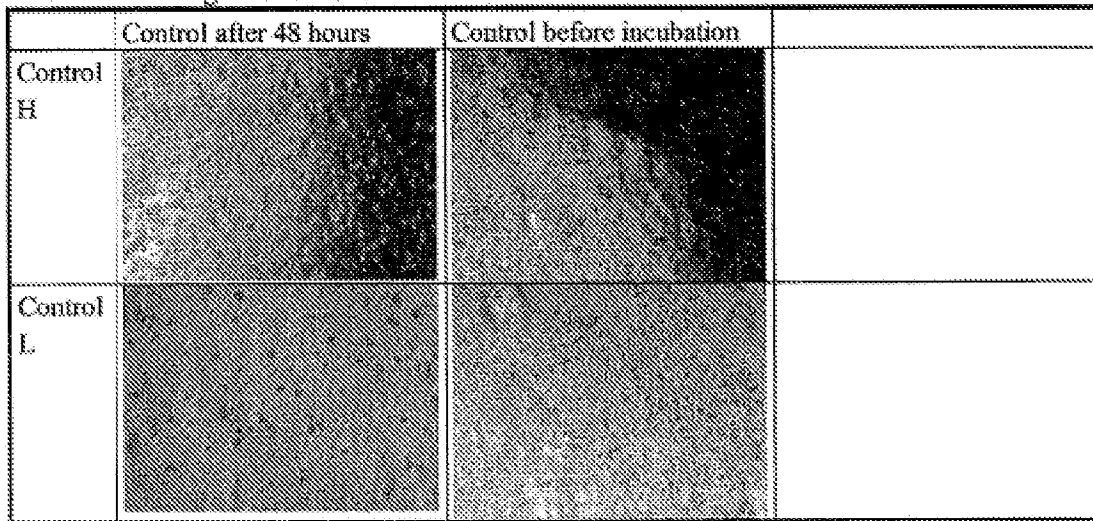
Experiment 19, After 48 hour incubation. H: Dense and L sparsely seeded areas in agar medium:



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**Figure 19c**

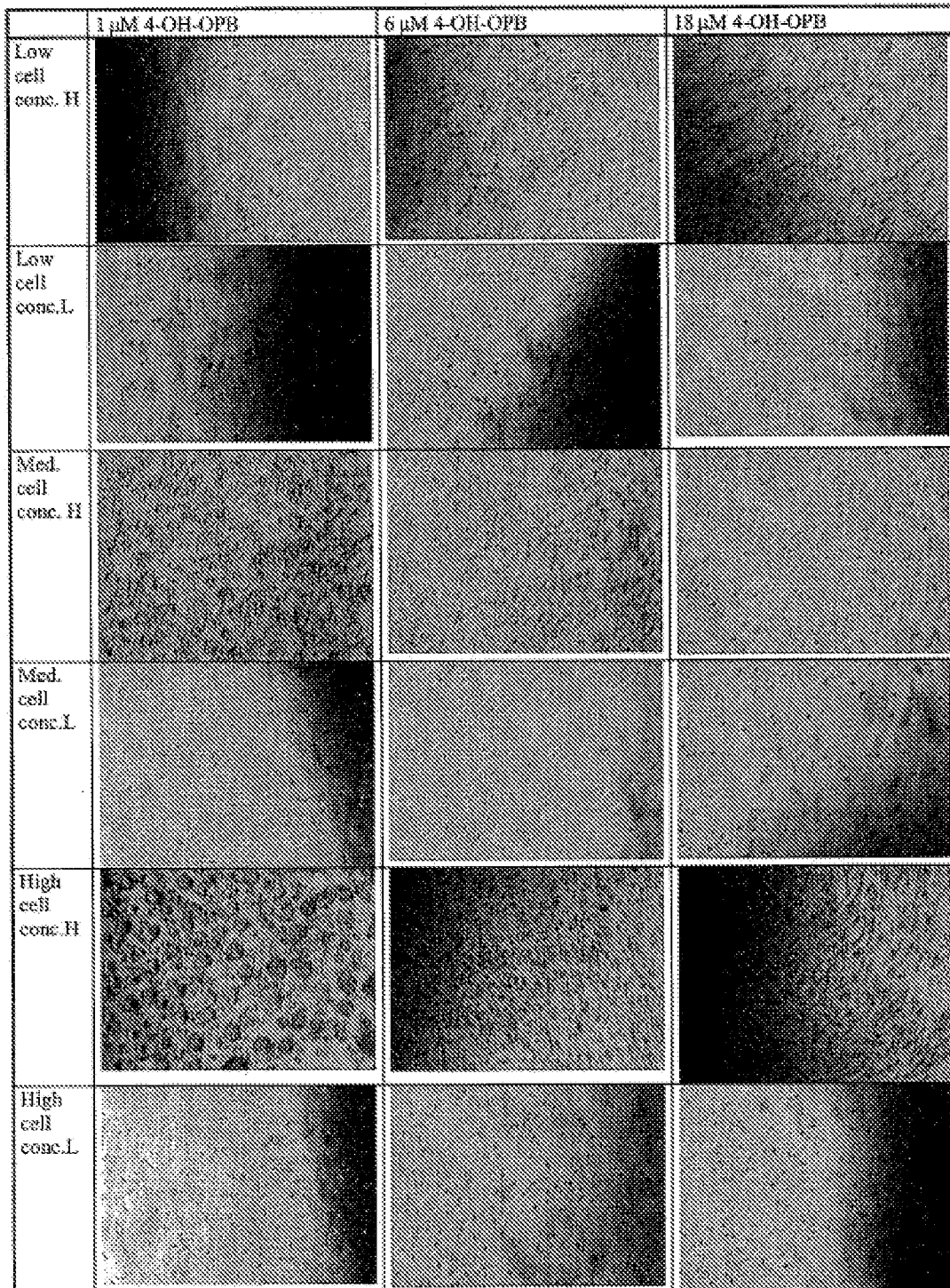
Experiment 19, After 48 hour incubation. H: Dense and L sparsely seeded areas in agar medium:



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**Figure 20a**

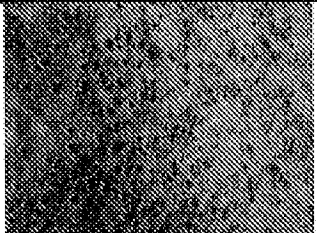
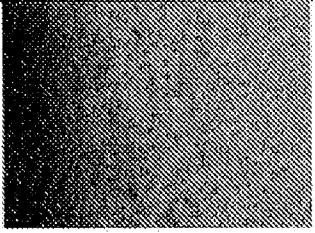
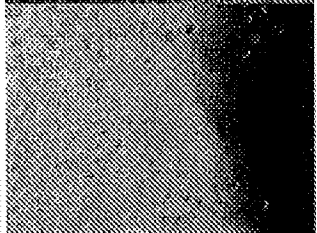

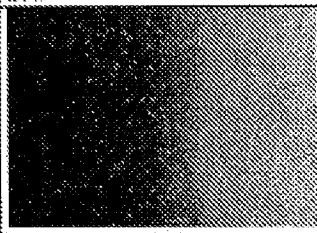
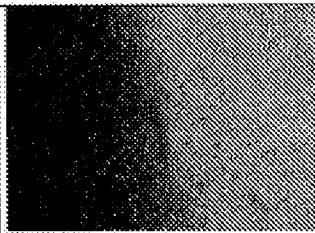
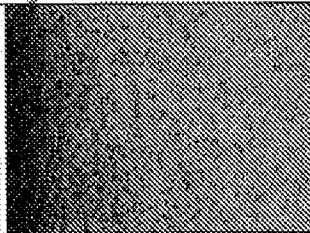
Experiment 20,  
H: Dense and L sparsely seeded areas in agar medium. Photos after 48 hour incubation.



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**Figure 20b**

Experiment 20, Photos after 48 hour incubation, continued:

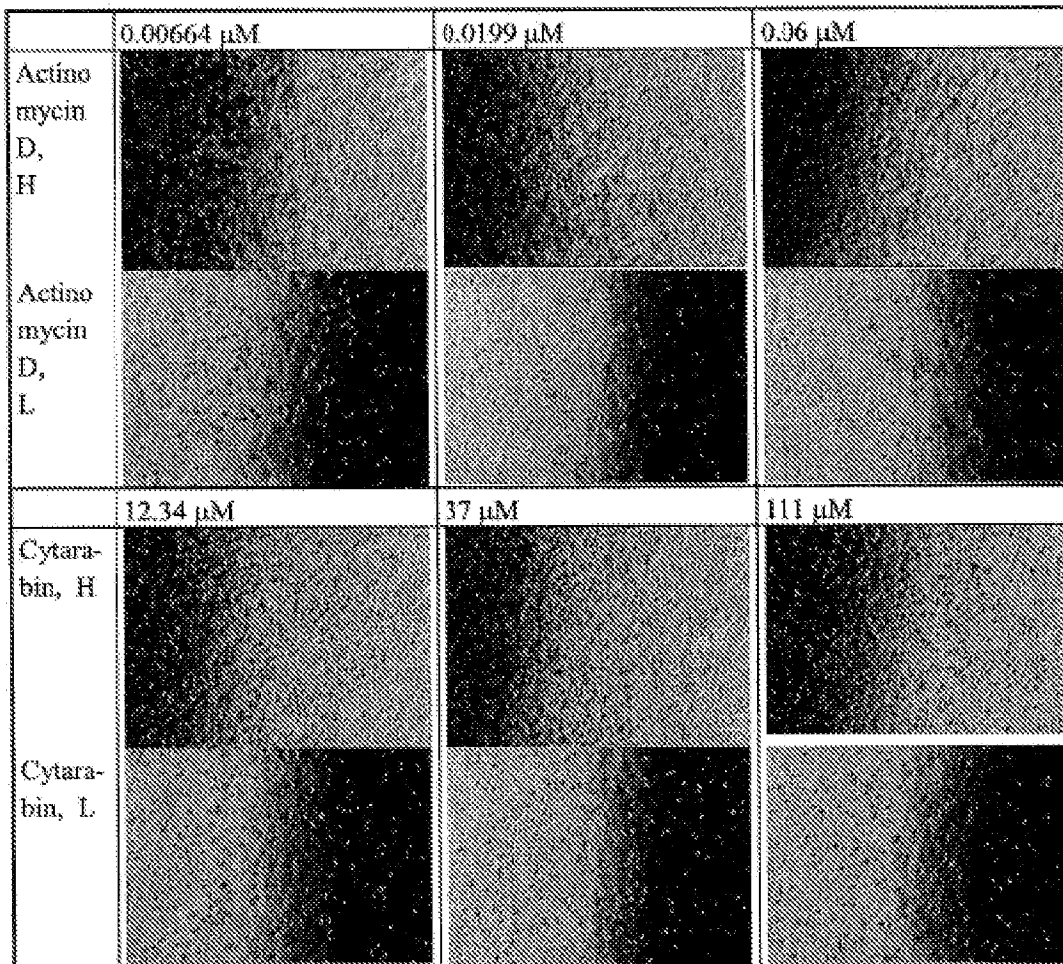
Contr.	After 48 hours	Day 0	
Contr. med. cell conc. H			
Contr. med. cell conc. L			
Cells: Day 0	Low 	Medium 	High 



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**Figure 21a**

Experiment 21, H: dense and L sparsely seeded areas of agar medium. Photos after 48 hours:

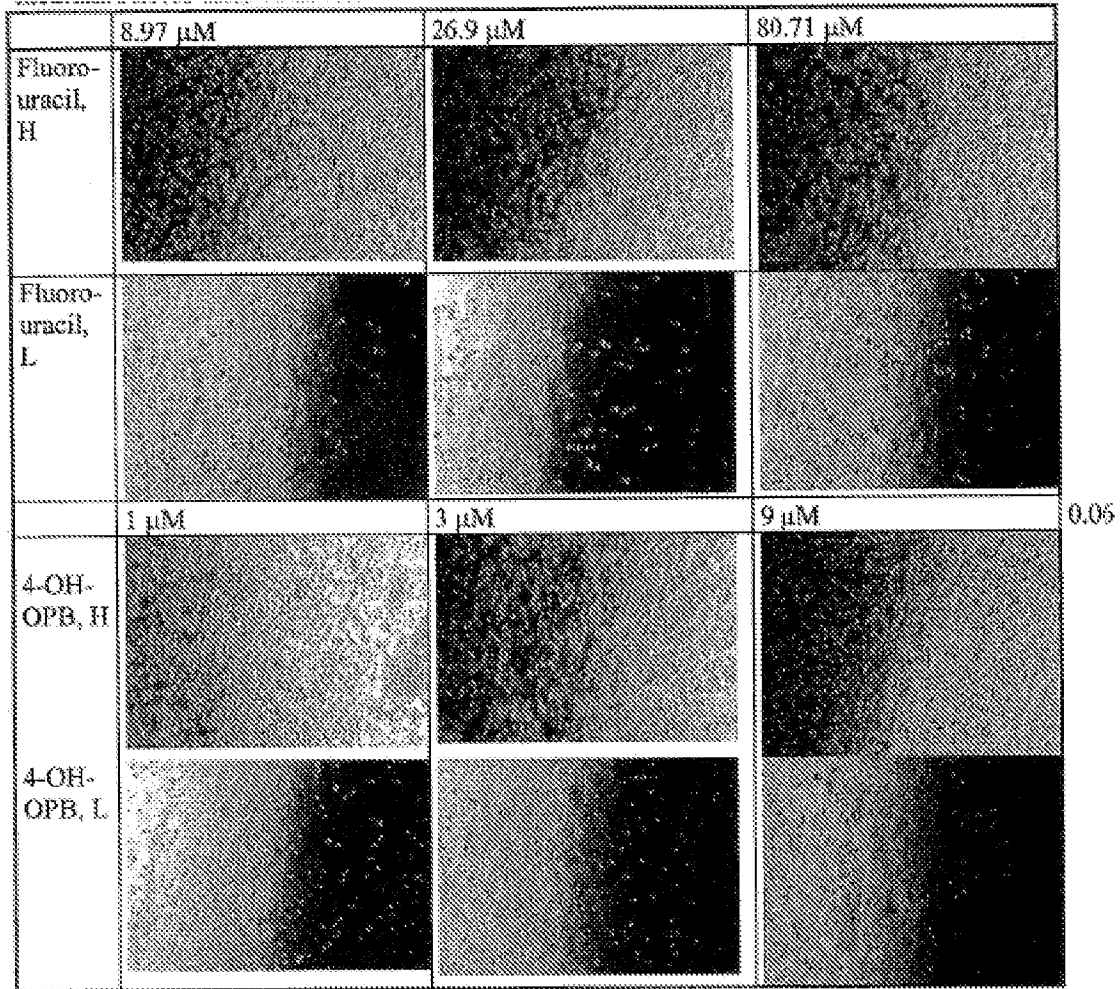




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**Figure 21b**

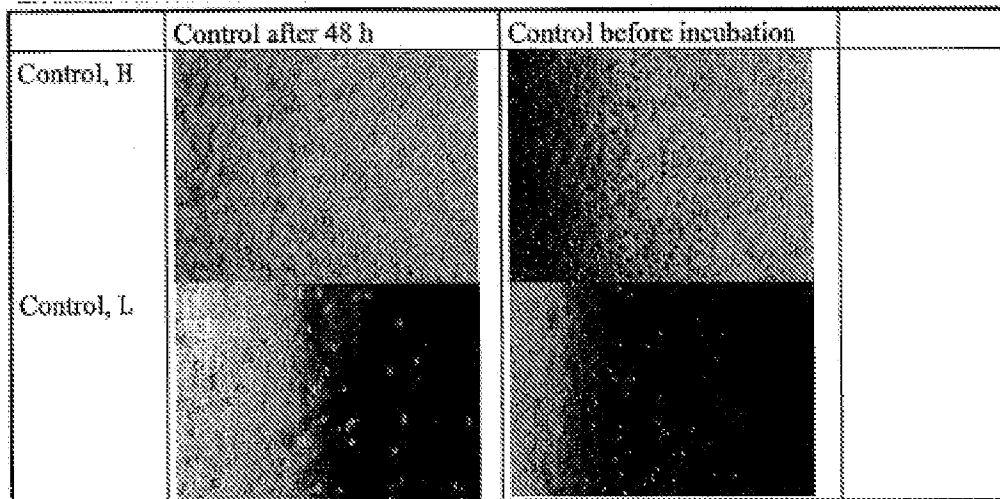
Experiment 21, H: densely and L sparsely seeded areas of agar medium. Photos after 48 hours:



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**Figure 21c**

Experiment 21, H: densely and L sparsely seeded areas of agar medium. Photos after 48 hours:

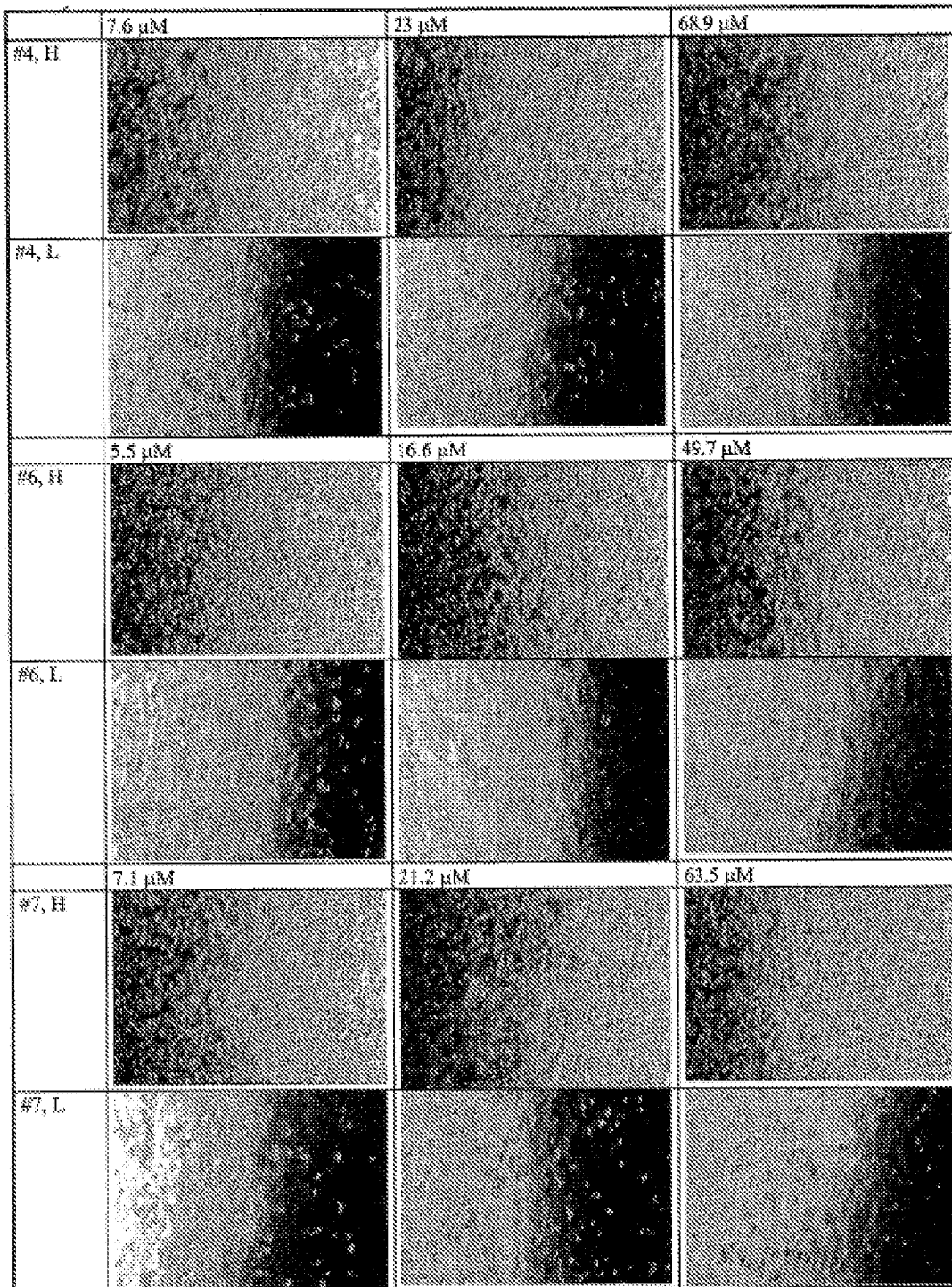


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**Figure 22a**

Experiment 22, Photos after 48 hours.

H: Area with high cell density, L: Area with low cell density

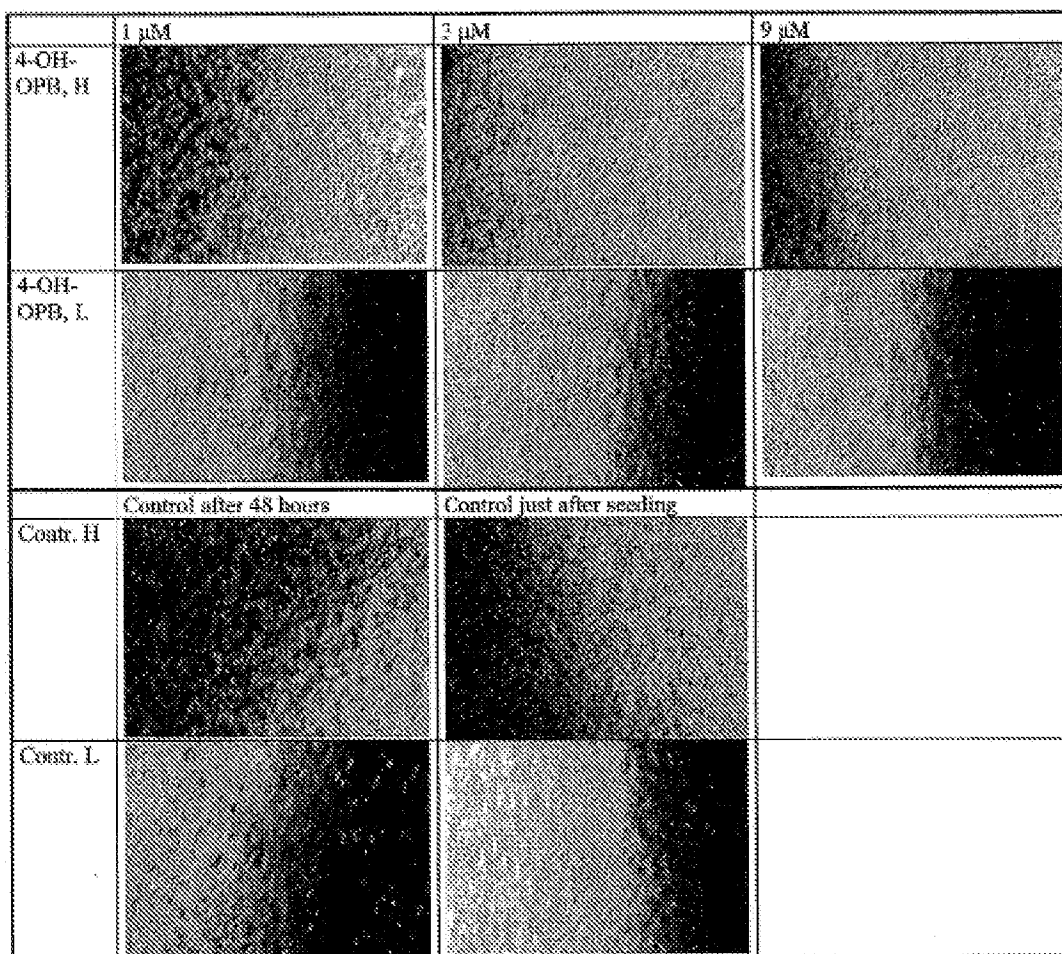


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**Figure 22b**

Experiment 22, Photos after 48 hours, continued.

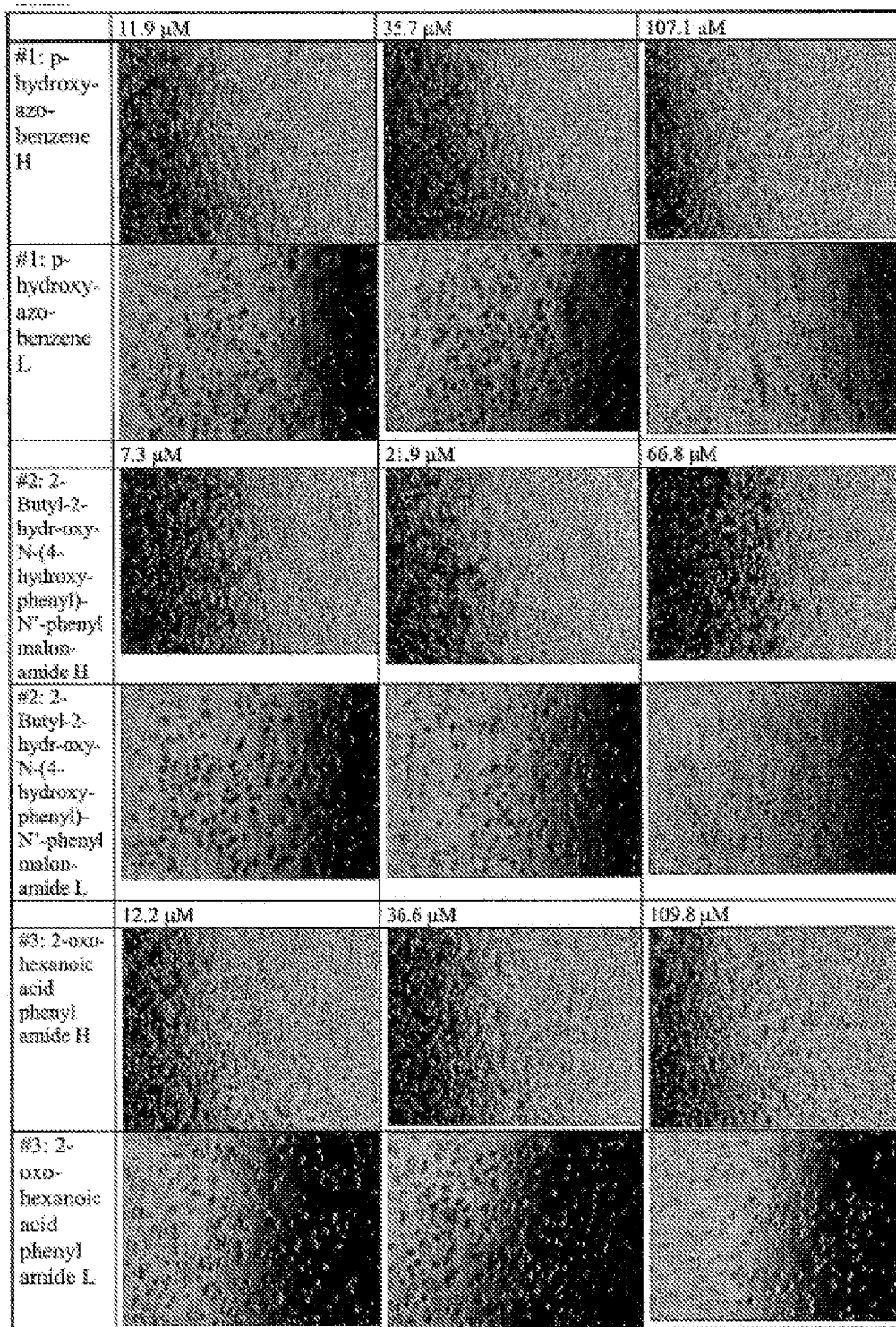
H: Area with high cell density, L: Area with low cell density



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**Figure 23a**

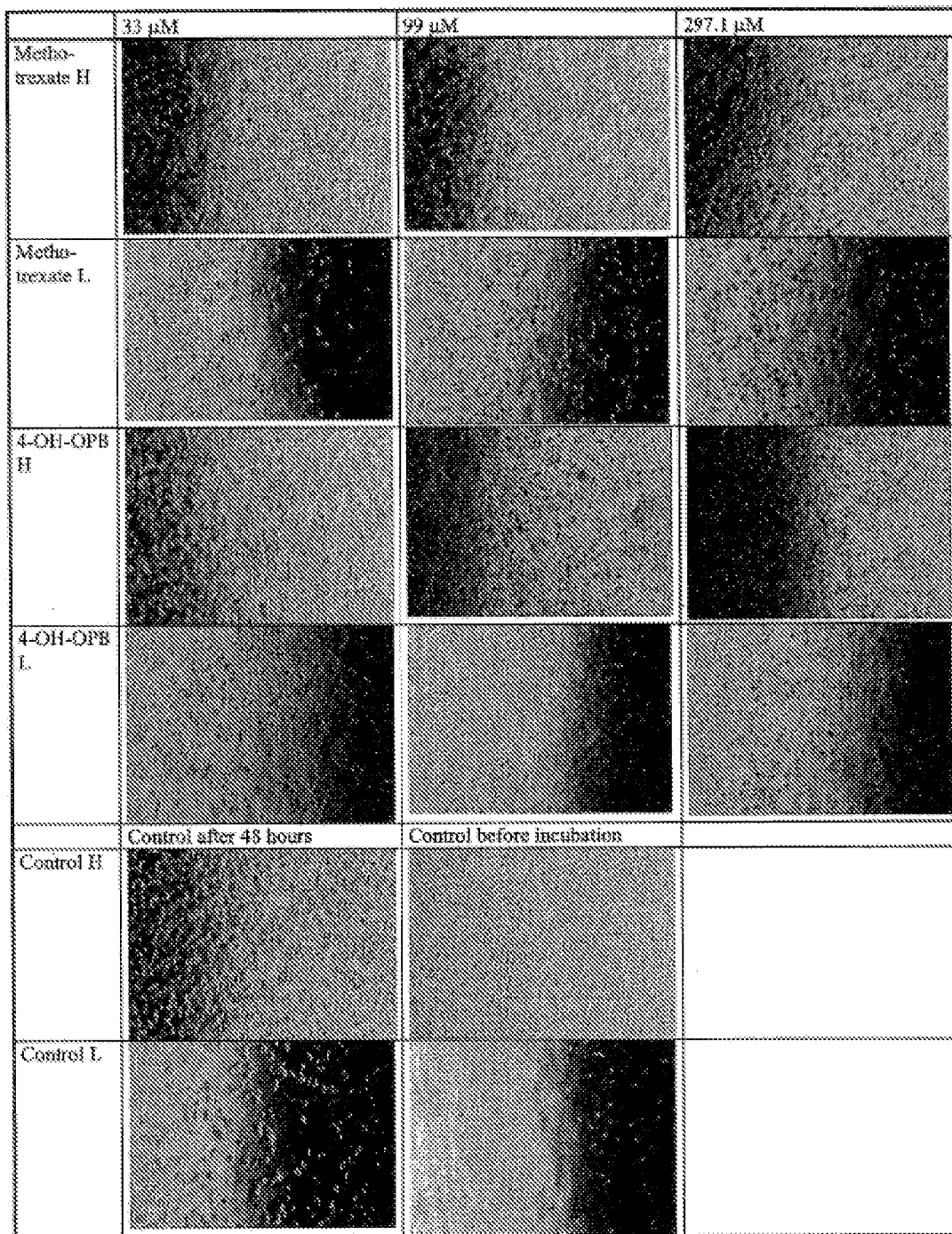
Experiment 23, H Densely and L sparsely seeded areas of agar cultures.  
 Photos after 48 hours:



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**Figure 23b**

Experiment 23, H: Densely and L sparsely seeded areas of agar cultures.  
 Photos after 48 hours:

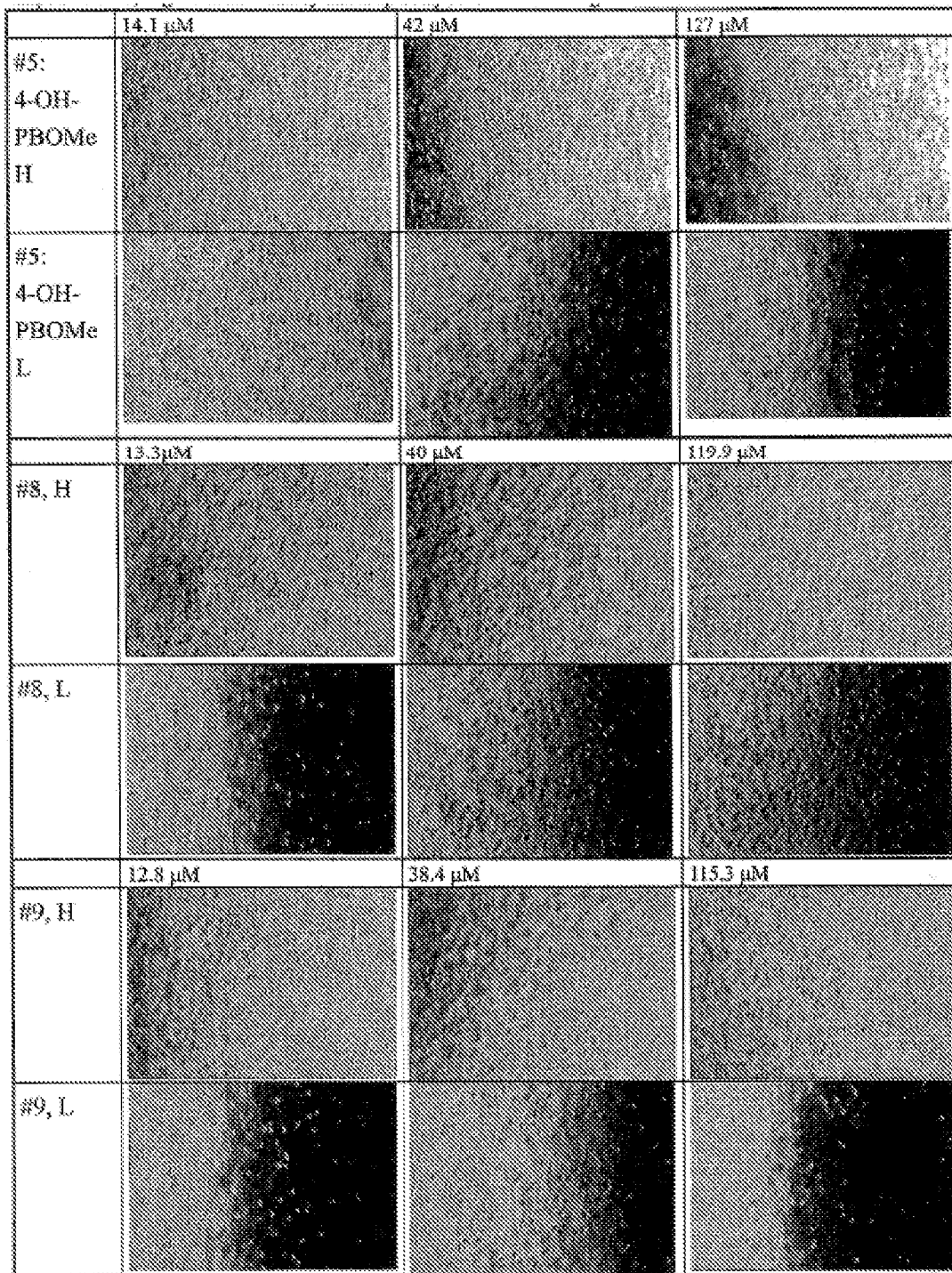




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**Figure 24a**

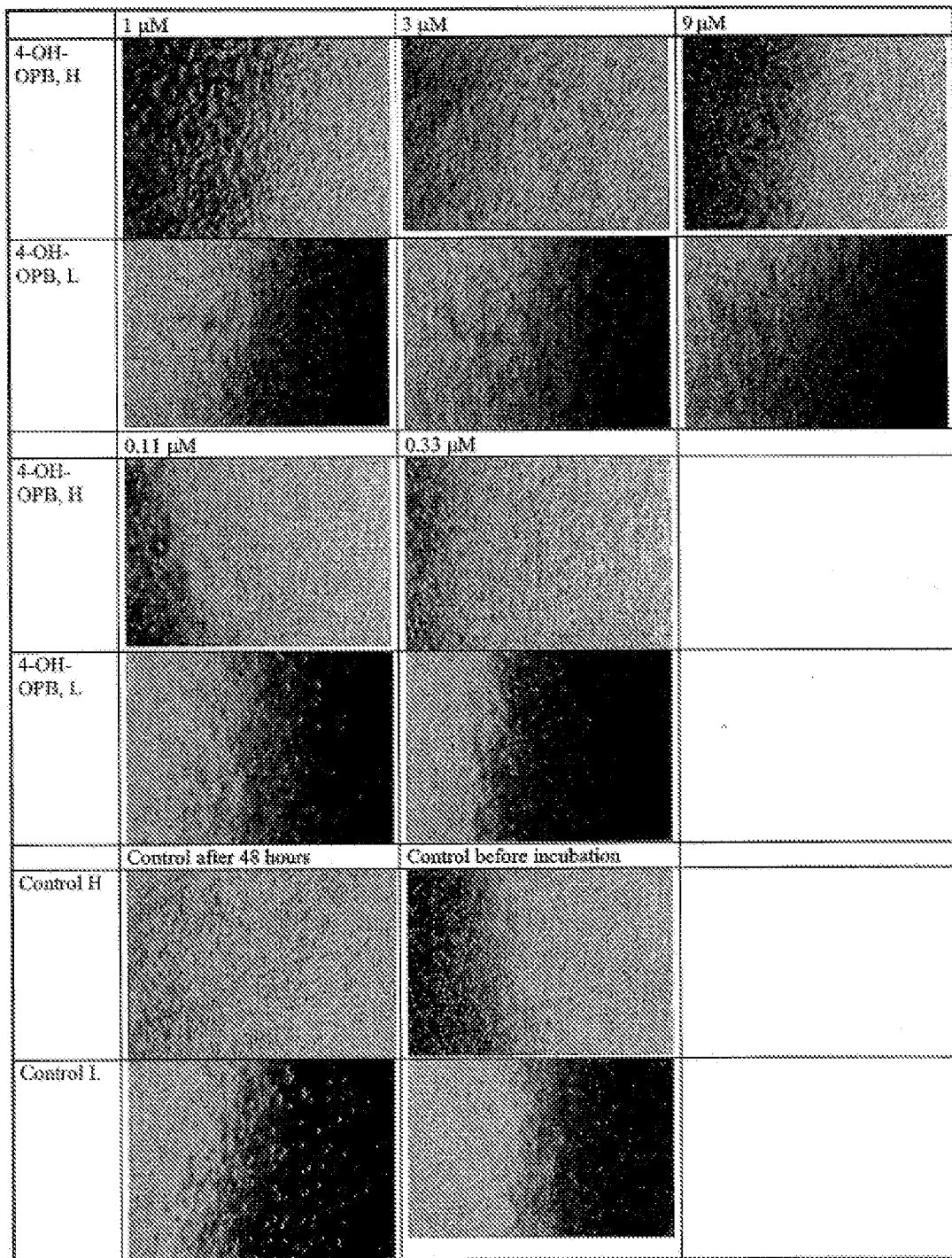
Experiment 24, H: Densely and L sparsely seeded areas of agar cultures.  
Photos after 48 hours:



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**Figure 24b**

Experiment 24, H: Densely and L sparsely seeded areas of agar cultures.  
 Photos after 48 hours:

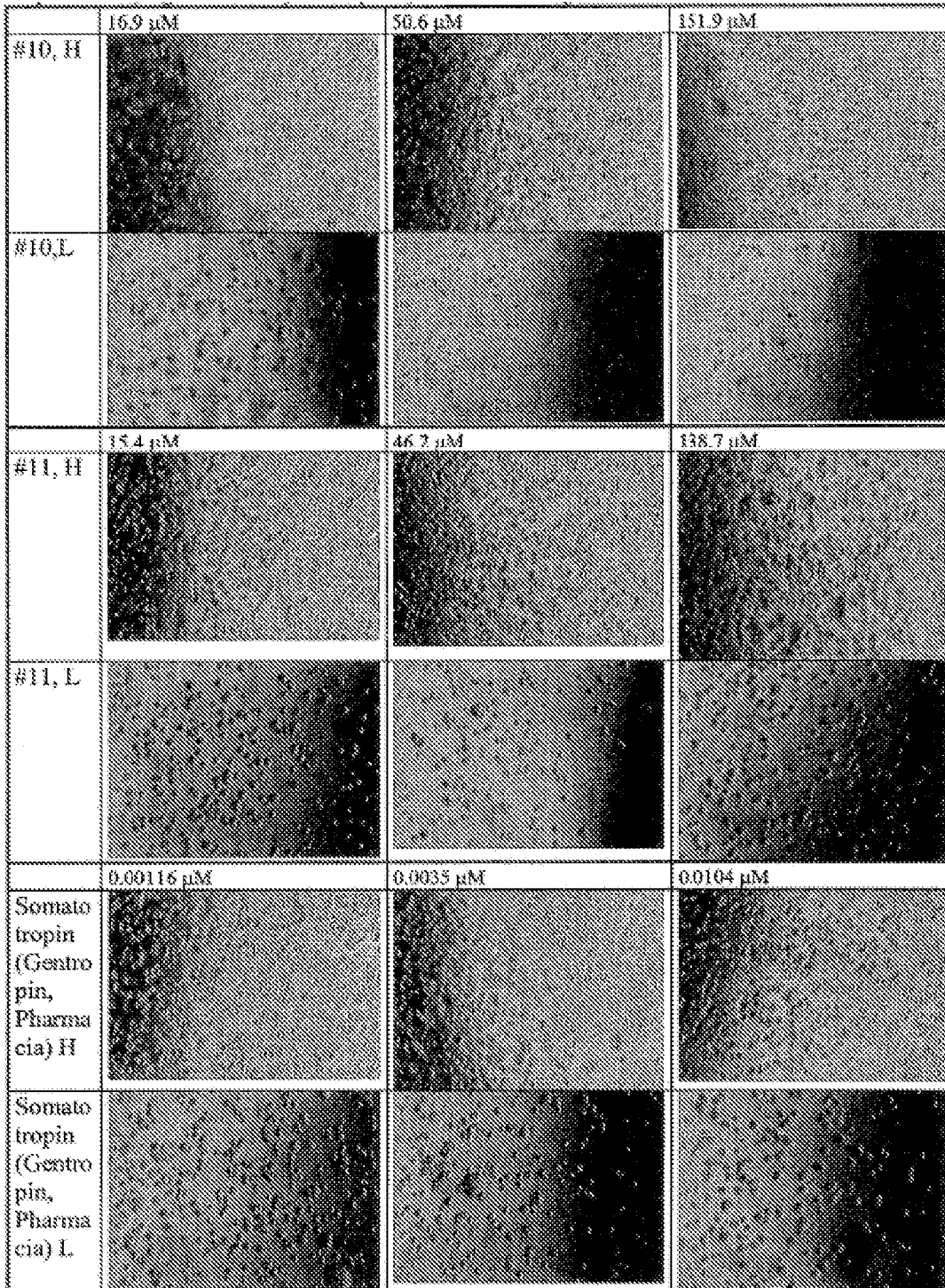




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**Figure 25a**

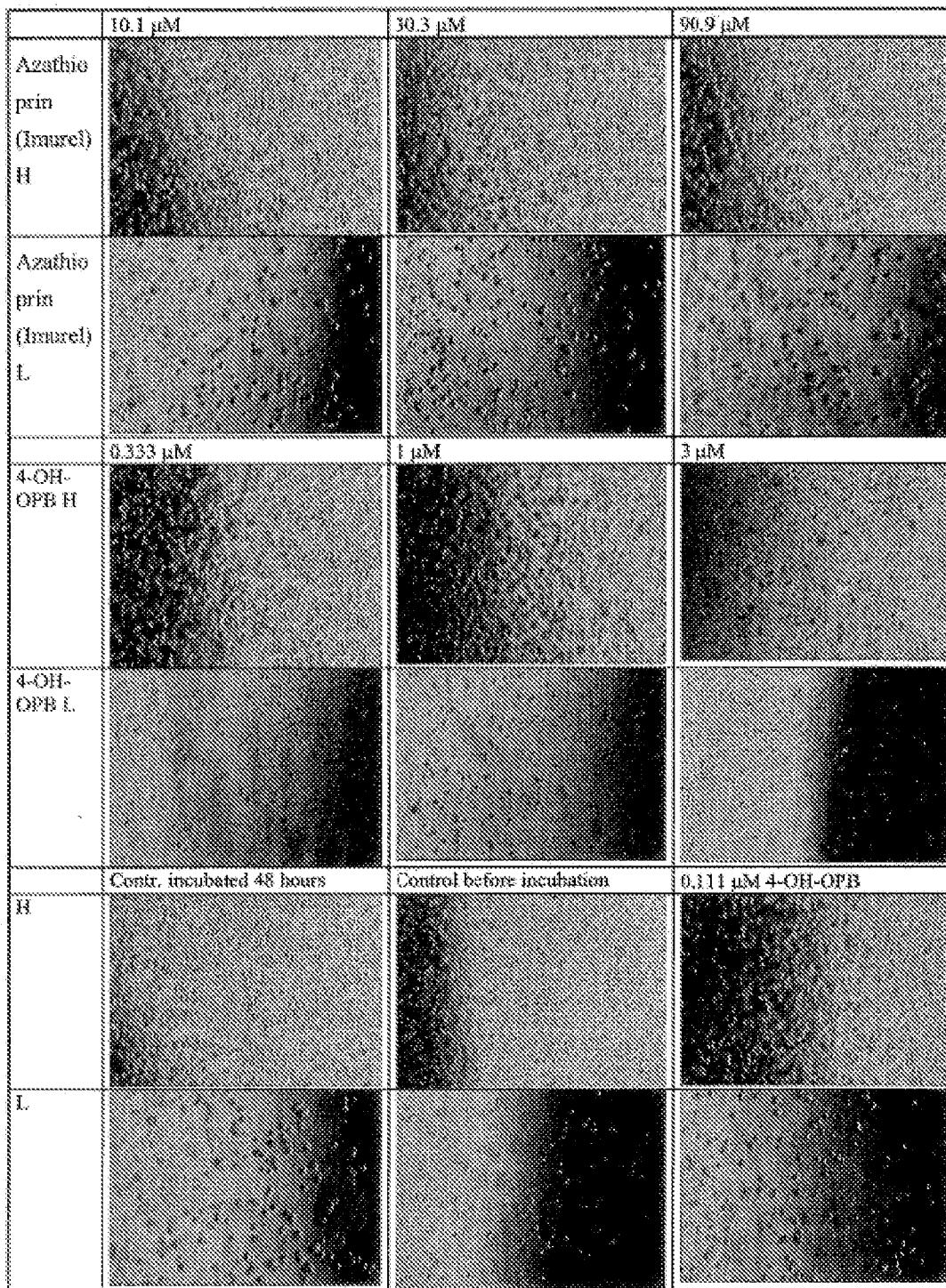
Experiment 25, H: Densely and L sparsely seeded areas of agar cultures.  
 Photos after 48 hours:



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**Figure 25b**

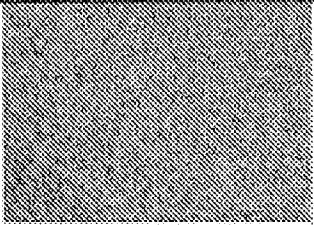
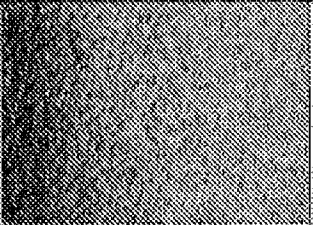
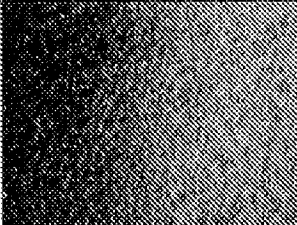
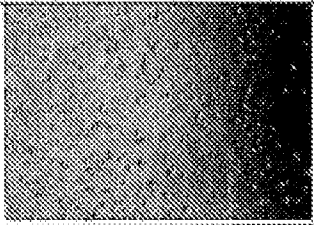
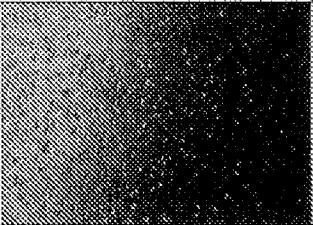
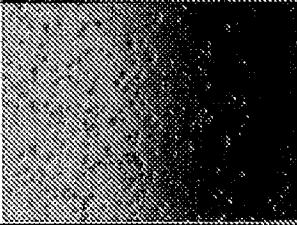
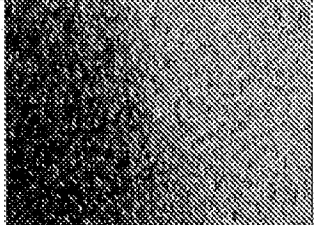
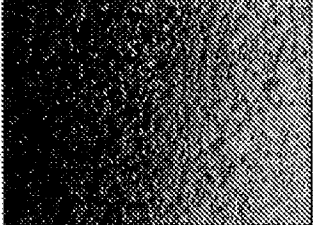
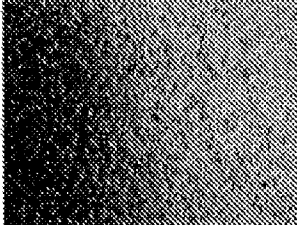
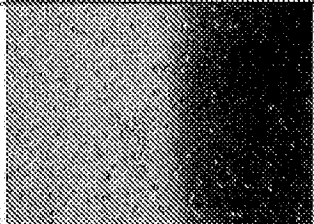
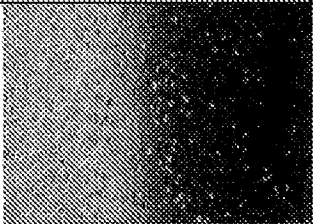
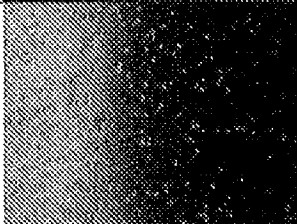
Experiment 25, H: Densely and L sparsely seeded areas of agar cultures.  
 Photos after 48 hours:



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**Figure 26a**

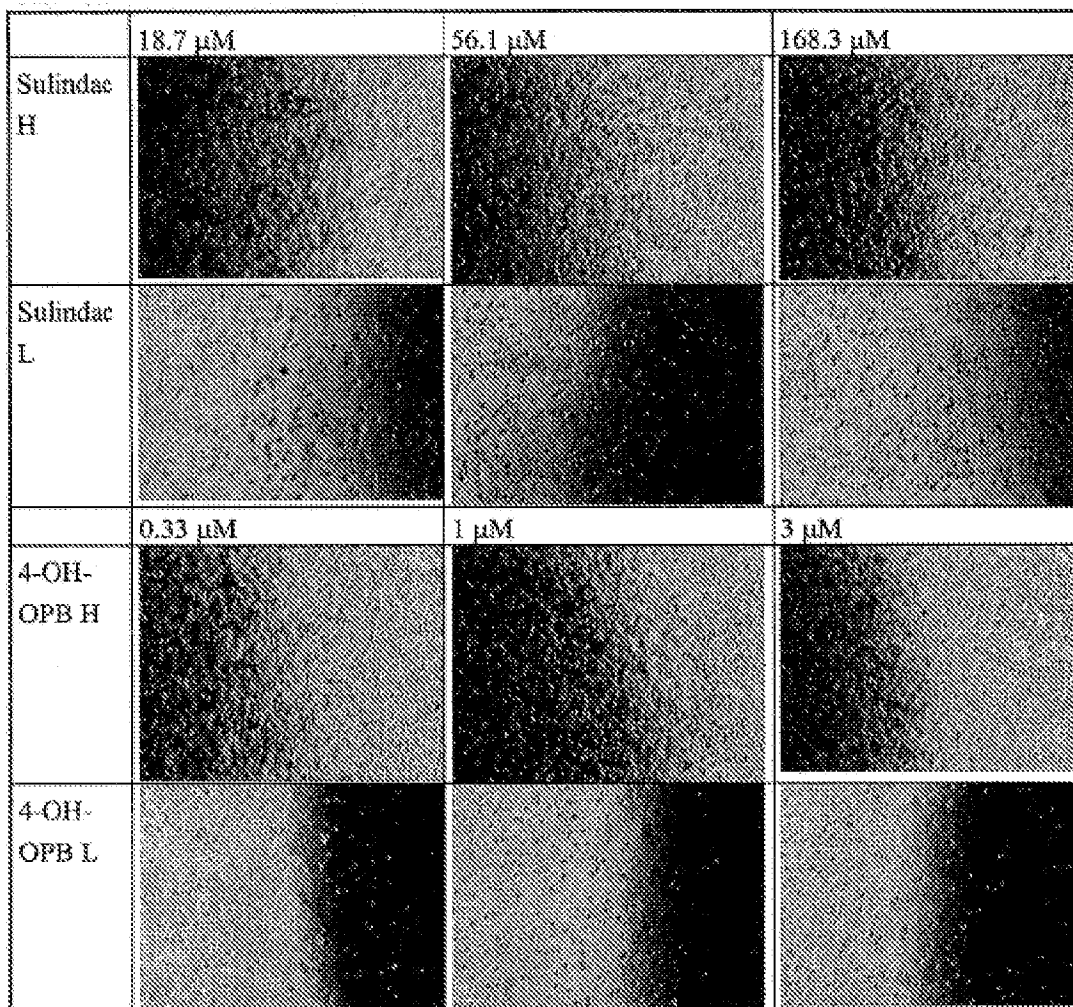
Experiment 26, H: densely and L sparsely seeded areas of agar cultures.  
 After 24 hours incubation:

	1 $\mu$ M	3 $\mu$ M	9 $\mu$ M
Benzo(a) pyrene H			
Benzo(a) pyrene L			
	12.7 $\mu$ M	38 $\mu$ M	114.1 $\mu$ M
Altretam ine H			
Altretam ine L			

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**Figure 26b**

Experiment 26, H: densely and L sparsely seeded areas of agar cultures.  
 After 24 hours incubation:



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**Figure 26c**

Experiment 26, H: densely and L sparsely seeded areas of agar cultures.  
After 24 hours incubation:

